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.0 *4 : ;0/ 2 ' /30/- 7321603 ,* 6 . ,- 82/9 +/076 = 0G5003- 6 . 76 /7 47 8, ' ;0 7321603 ; = / ' 0*6 . 7 : ' 7*3 : =-0 ' ,* 6 . 0 I 0*0/7 7*67/4 : # 2/ 6 . 7* ,- 75501603 ; = /2 0--2/ -7 /7=' 7*3 : 2-6 : 230/* -=-60 : 76,-6-@ : 7*= 2 ' 6 . 0 : ' 7/0 *26 ,* 2*/ 21,*,2* 0*6,6 03 62 6 . 76 /7*9 ' ;0,*+ /76 . 0/ 62 ;0 /0+7/303 7- 6/,;0- 2/ 7;0//7*6 +0*0/7 2 ' 7/+0/ /30/- ' : 4 6,1 ,57H 6,2* 2 ' 6 . 0-0 ,- ' . 280?0/ ' ,* 7 82/9 2 ' 6 . ,- 30-5/,16,2* 7/ /2 : ' 7 +/076 0?, '# ,6 0*7 ; 0- 6 . 0 -6430*6 62 2/ : ' 7 5 07/0/ ,307 2 ' 6 . 0 0--0*6,7 ' 5 . 7/7560/- 2 ' 6 . 0 : 2/0 , : 12/67*6 /30/- ' /2 : ' 8 .,5 . ' 6 . 0 0--0/ 7/0 3017/64/0-J 7*3 ,6 7 2/3- 6 . 0 2112/64*,6= 2 ', 4-6/76,*+ : 2/0 521,24- = : 7*= -6/4564/7 ' 7*3 1 . =-,2 2+,57 ' : 7660/- 2 ' . ,+ . ' , : 12/67*50 ' 6 8, ' ;0 2;-0/?03 6 . 76 6 . 0 746 . 2/- . 7?0 ;00* -5/414 24- = 57/0 4 ' ,* ,*3,576,*+ 6 . 0 ?0/= - 0*30/ 1,#0 ' 60*-,2*- 6 . 76 : 7*= 2 ' 6 . 0-0 0--0/ +/241- . 7?0 62 2/3,*7 ' /7*9 ' 7*3 ,* 12,*6,*+ 246 6 . 0,/ 7 ,*,6,0-

' 307 ,+ 8,6 . ' 6 . 0 *6/23456,2* 62 267*= ' 1 ' ' 6 . 0 /7*- 762/ . 7- . 73 : 45 . ' 3, ,54 6=' *' 12,*6 2 ' -6= 0 ' 7 ,60/7 ' 6/7*- 76,2* 2 ' 6 . 0 2/,+,*7 ' 87- ,*73 : ,--,; 0 J ,6- 521,24-*0--' 2 ' 0G1/0--,2* 7*3 /0106,6,2*- 2 ' 73 056,?0 60/ : - ' . 280?0/ -4,603 62 /0*5 . ' 7/0 2;-675 0- 62 *+ 6- . ' -6430*6- ' 8 . 2 7--25,760 5 07/*0--' 8,6 . ' 7 52*5,-0 ' /76 . 0/ 6 . 7* 8,6 . ' 7 : 2/0 3, 4-0 : 06 . 23 2 ' 0G12-,6,2* ' . 0 /7*- 762/ . 7- 6 . 0/0 2/0 52*30*-03 6 . 0 : 7660/ 2 ' 6 . ,- 17/6 2 ' 6 . 0 82/9 B ,6 ,- 62 ;0 . 2103 ' 8,6 . 246 2--' 2 ' -0*-0 2/ -4;-67*50 J 7*3 6 . 0 -1750 +7,*03 . 7- ' ;00* 30?2603 62 6 . 2-0 733,6,2*- 62 6 . 0 =-60 : 76,5 12/6,2* 8 . ,5 . ' 7/0 0*4 : 0/7603 7;2?0

6 8, ' ;0 2;?,24- 62 6 . 0 *+ ,- . ' /0730/ ' 6 . 76 ,6 . 7- *26 ;00* 6 . 0 7, : ' 2 ' 6 . 0 46 . 2/- 62 +,?0 7* 0G . 74-6,?0 . ,-62/= 2 ' 6 . 0 764/7 ' /30,#- @ 8 . 76 6 . 0= . 7?0 +,?0* ,- 7 5 07/ 7*3 1/05,-0 -6/4564/7 ' 7*3 : 2/1 . 2 2+,57 ' 75524*6 2 ' 075 . ' 8,6 . ' 7 -9065 . ' 2 ' ,6- 7 ,*,6,0- ' +02+/71 . ,57 ' 3,-6/,;46,2* ' 7*3 1/,*5,17 ' 4-0- ,* : 03,5,*0 7*3 6 . 0 7/6- J 7*3 ,* 6 . ,- ' ' 6 . ,*9 ' 6 . 0= . 7?0 -45500303 62 7 30+/00 *26 7667,*03 , . ' 7*= 1/0?,24- 82/9 2 ' 6 . 0 9,*3 ' * 6 . 0 0G60*6 7*3 46, ,6= 2 ' 6 . 0 4-6/76,2*- 6 . 0/0 ,- *2 *003 62 380 J ;46 ,6 ,- 2* = : = 346= 62 2*0 2 ' 6 . 0 46 . 2/- 62 -6760 D8 . ,5 . ' 320- *26 71107/ ,* 6 . 0 2/,+,*7 F 6 . 76 6 . 0,/ +/076 ?7 40 ,- 340 62 6 . 0 4-0 : 730 2 ' : = /,0*3 ' 057,-*0#- 4*,>40 52 056,2* 2 ' 7*7 =6,57 ' 3/78,*+- ' 6 . 0 /4,6- 2 ' . ,- , 0 2*+ ;267*,57 ' 7;24/- ' 7*3 8 . ,5 . ' 2/ -5,0*6, ,5 7554/75= 7*3 7/6,-6,5 0G50 0*50 . 7?0 *0?0/ ;00* -4/17--03

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07/ = 6.,/6= =07/- .7?0 0 71-03 -,*50 ,/-6 .73 6.0 1/,?, 0+0 2 ,*-1056,*+ 6.2-0 12/6 2 ,2- 6.0 52*60*6- 2 8.,5. .7?0 8,6. 7 /7/0 ,;0/7 ,6= ;00* 0?0/ -,*50 1 7503 76 : = 3,-12-7 8.0* 30-,/03

08 2/ *2 7 4-,2*- 7/0 : 730 4*30/ 6.0 764/7 /30/- 62 .,-62 2+,57 5.7/7560/- J 62 6.0 3,6 0/0*6,76,2* 7*3 30?0 21 : 0*6 2 6.0 2/+7*-J 62 6.0 1.0*2 : 0*7 2 0/6, ,M76,2*J 62 6.0 4*56,2*- 2 *46/,6,2* 5,/54 76,2* 7*3 /0-1,/76,2*J *2/ 62 6.0 -6/4564/7 5.7/7560/- 2 2--, =10- ?.,5. ,* 6.0 57-0 2 7 08 /30/- D5.,0 = -2/)'2'' 7*3 !-23.3)#/2'42' 5 7/0 2 +/076 -,+*,H ,57*50 ,* /0 0/0*50 62 6.0-0 7*3 6.0,/ 7 ,0- 2 .7?0 ,*6/234503 7 6.0-0 -4; 056- 62 7*= 4-0 4 14/12-0 87- ;0=2*3 6.0 -5210 2 6.,- 82/9 52 : 17*,2* ?2 4 : 0 30?2603 62 6.0 : B 6.76 ,- 2*0 52 : 1 06,*+ 6.0 , 0 .,-62/= 2 6.0 764/7 /30/- B ,- 6.0 +/076 30-,30/764 : 2 267*,57 5,0*50

6 /0 : 7,*- 2/ 6.0 3,62/ 7*3 /7*- 762/ 62 6.7*9 6.0 46.2/- 2/ 6.0,/ 52* ,30*50 ;26. ,* 0*6/4-6,*+ 6.0 : 8,6. 6.0 67-9 7*3 ,* ,;0/7 = 0/ : ,66,*+ 6.0 /0 7//7*+0 : 0*6 2 6.0 /30/- 7552/3,*+ 62 6.0 3,62/#- 43+ : 0*6 2 6.0 /0>4,/0 : 0*6- 2 6.2-0 2/ 8.2-0 4-0 6.0 *+ ,-.?0/-,2* ,- : 730

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6 ,0 0G7 : 1 0 2 ' 24/ /03050--2/-' 8 . 2 . 7?0 7110*303 6 . 0 '8'"/ /::#8#/ 62 6 . 0 : 2/0 -6/,56 =' 30 ,*03 /30/-

07/ =' '6 . 0C, 4-6/76,?0 7*7 -0-' 7/0 2, ,11C*7 ' 7*3 24*303 2*' : 760/,7 -' 7554 : 4 7603 34/,*+' 4187/3-' 2 '6 . ,/6=' =07/-' J 2/ 7 ' 3067, -' 6790*' /2 :' 26 . 0/ -24/50-' 6 . 0 746 . 2/,6=' ,-' 5,603

O . , -6 6 . 4-' 1/0-0*6,*+' 62 24/ /0730/-' 7 52 : 17/76,?0 . ,-62/=' 2 ' 6 . 0 /30/-' 2 ' 7*6-' 8 0 : 790 *2 1/060*-,2*-' 62 . 7K ,*+' : 2*2+/71 . 03 6 . 0 : J 2/ -45 .' 7 67-9 680*6=' ?2 4 : 0-' ?24 3 *26 -4 ,50 ' 7*3 ,6-' 0G0546,2*' ,-' 7 /073=' 7/ 73?7*503 ' 6 . 7*9-' 62 6 . 0 : 7*=' ,/-6 5 7-' 82/9-' 8 . ,5 .' : 7=' ;0 52*-4 603 ;=' 6 . 2-0 8 . 2 30-,/0 62 ,*?0-6,+760 7 ' 6 . 0 1 . 0*2 : 0*7 2 ' 6 . 0 0+067 ; 0 ,*+H 32 : ' O 0 . 7?0 6 . 0/0 2/0 /0-6/,5603 24/-0 ?0-',*' 6 . 0 3017/6 : 0*6-' 2 ' *762 : =' 7*3 . =-,2 2+=' 62 +0*0/7 ' 52*-,30/76,2*-' 7*3 : 4-6 /0 0/ 24/ /0730/-' 62 6 . 0 82/9 2 ' 45 . 7/6/0 2/ 7 3067, 03 7*3 45,3 75524*6 2 ' 6 . 0 1/0-0*6 -6760 2 ' 6 . 0-0 682 ;/7*5 . 0-' J 7*3 62 6 . 0 I 0*0/7 #7*67/4 :'# 2 ' 0*6 . 7 :' 7*3 2290/ 2/ 7 ' 6 . 0 0 0 : 0*6-' 2 ' 7 52 : 1 060 6/076,-0 2*' =-60 : 76,5 267*=' *' 6 . 0 -4 ; 056 2 ' 0 +/71 . ,57 ' ,-6/, ; 46,2*' 6 . 0 /0 : 7,#97 ; 0 82/9 2 ' ' 30 7*32 0 52*67,*-' 7*' ,*?7 47 ; 0 /010/62/=' 2 ' 7554/760 3767 J ,6-' ?7 40 ; 0,*+' 0* . 7*503 ;=' 1 . , 2-21 . ,57 ' 3,->4,-,6,2*-' 2 '6 . 0 . ,+ . 0-6 2/30/

O ,6 .' /0+7/3 62 6 . 0 -0/,0-' 2 ' 12/6/7,6-' 2 ' 7*6-' 52*67,*03 ,*' 6 . ,-' 82/9 ' ,6 ,-' 6 . 0 /,5 . 0-6 7*3 ; 0-6 7//7*+03 8 . ,5 .' . 7-' . ,6 . 0/62 71107/03 J 7*3 ?0 7,#0 52* ,30*6 6 . 76 6 . 0 14 ; ,5 8 , ' 711/05,760 ' ,*' 6 . 0-0 7,6 . 4 ' 3/7 ?,*+-' 6 ,5 6/46 . 4 ' 10*5, -' 2 ' 0--/-' 60,* . 0, ' 7*3 ,25/04G

' 280/-' 8 ,6 ,' -67 : 0*-' 7*3 1,-6, -' D52 : 1 060 2/ . 0/ : 71 . /23,60F '
3' 280/-' 8 ,6 .' -67 : 0*-' 2* =' D : 7 0 2/ 7*6 . 0/ , 0/24-F
Q 280/-' 8 ,6 .' 1,-6, -' 2* =' D 0 : 7 0 RE 1,-6, , 0/24-F
□□ *30 ,*,60 ,*' *4 : ;0/ '
' 7+*, ,03
P 0 2/0 7 +0*4-' -,+*, ,0-' 6 . 76 ,6 ,-' 52 : : 2* =' 62 . 0 24*3 ,*' /0*5 .' 267*,5 7/30*-' "5
*3#' B ;#,' 1 7503 ;0 2/0 7*26 . 0/ 82/3 : 07*-' 8 '/"!-5 &3 '<%/$5 &2/"2'!-5 "5
. 0 82/3-' "/"'!-5 &3 '$# '&5 3:$'85 8&8/!!-5 "5 ' 1/0503,*+' 7 30-5/,16,?0 1 . /7-0 ' 32 *26 711 =' 62 ?7,,7 6,2*-' 2554//,*+' ,*' 6 . 0 -7 : 0 -105,0-' . 46 -,+*, ='6 . 76 ,65 .' ?7/,76,2*-' 2554/ ,*' 3, 0/0*6 +0*0/7 2 '6 . 0 7 : , = 4*30/ 52*-,30/76,2*

6 . 0 -105,75 60/ : -' 4-03 ,*' 6 . 0 30-5/,16,2*-' 2 ' 526= 032*-' 7/0 0G1 7,*03 ,*' 6 . 0 60G6 *-' 6 . 0=' 2554/

s *89s 08:*; <9=s - ;:s>9 ;:?#-0 =s 0 s 99 ;:s =8)s -0 @;+*8As B0+ 0;s +79As 40;?+ +@+9s +79s 6'7'$/,!"s *#87)3 >5 *;=s 3$/8-5 /7 47s ?s +79s ;*+@8* s 7 ?+08As 0 s +79s 6'7'$/,!"s *#87)3 5 +89*+?s sC *;+?# 8?+ A# ;= - =@* A"s ?940;= A# 40 94+ -9 A"s *;=s +7 8= A# / +7s 89:*8=s +0s +79 8s @?9?s +0s B*; s 79s /70 9s ?@>D94+s B*As >9s 40;E ?=989=s @;=98s +7899s C8 ;4 C* s 79*=?

79s 8?+s ;4 @=9?s "7/837"/.%-5 /7 47s +89*+?s 0 s +79s 08Bs *;=s D BB9+8As 0 s +79s 08:*;?s 0 sC *;+?s 8/$3 -5 0 s +79 8s ;+98 08s ?+8@4+@89s %-&#3!37-5 0 s +79 8s @;4E + 0;?"s *;=s !3&&3!37-5 0 s+79s+947; 4* s *;:@*:9s 9BC 0A9=s +0s =9?48 >9s +79s 08:*;?s *;=s +79 8s B0= 4*+ 0;?,

79s ?940;=s ;4 @=9?s /?383 -5 +79s 4 *?? ;:s 0 sC *;+?s *4408= ;:s +0s +79 8s * ; + 9?s %-$37"/.%-5 +79s =9?48 C+ 0;s 0 s ?C94 9?s *;=s 3 '82!3#@$8"'5 +79s ;*B9?s : -9;s +0s ?C94 9?s >As >0+*; ?+?

79s+7 8=s ;4 @=9?s - 'A6!9'5 3"$#29 9",5 @ "%3"#'9!$8"'5 + ')#2/!*;=s *2383 #2s 0+*;A

79s $#&&9'& 3:s *s .!/8$s C89?9;+s +0s +79s ;*+9=s 9A9s +/0s -98As = ?+ ;4+s 9 9B9;+?#s ;*B9=s:#%"3>(/&29!/"s ,98)!'& *;=s 2'!!9!/"s $#&&9"s B./"'82%- / s 79s 8?+s 40;? ?+?s 0 s +9;*4 0@?s >89?s :*+7989=s ;+0s >@;=9?#s 08s ?C89*=s 0@+s Fs ;9+-+08>#s *;=s 08B ;:s +79s B089s ?0 =s C08+ 0;s 0 s +7@s C *;+"s +79s ?940;=s ?s *s ?C0;:A# ?@44@ 9;+s ?@>?+*;49s ;:s +79s ?C*49?s >9+/99;s +79s >89?#s >9 ;:s 9?C94 * As *>@;=*;+s ;s 9*-9?s *;=s 9?7As 8@ +?#s *;=s 40;?+ +@+ ;:s +79s ?0 +98s C08+ 0;s 0 s +79s C *;+s &79;s B*:; 9=#+79?9s + ??@9?s C89?9;+s -*8 0@?s ?+8@4+@89?#s +79s 40BC0;9;+?s 0 s /747#s 4* 9=s '!' '8$/"-s 3"7/8C5 / s >9s =9?48 >9=s ;s *s @+@89s47*C+98

;s 08= ;*8As C *;+s 40;? ?+?s 0 s *s 4A ;=8 4s >0=As G :s HI# B089s 08s 9??s >8*;479=s *+s +?s +/0s 95+89B + 9?#s *;=s >9*8 ;:s *+98* As 9*-9?s 0 s -*8 0@?s 08B?# /747s *89s 9 +798s ?4*++989=s 08s :80@C9= 79s @CC98s C08+ 0;s 0 s +7 ?s >0=A#s +79s &$' s D2/9 &5 +& >9*8?s +79s 9*-9?s G8#s CI# *;=s ?s :899;s G*+s 9*?+s ;s +79s A0@;:s ?700+?I"s +s >8*;479?s 80Bs +79s :80@;=s @C/*8=?#s = B ;?7 ;:s ;s +7 4 B9??s *?s +s >8*;479?s 79s 0/98s C08+ 0;#s +79s "33$s B"/)#?5 JI# ?s 9* 9??s H' +04F' s 00+s * -' 0/98s C08+ 0;' 0' ?+9B *;=s ?@>+988*;9*;#s 0 s *s C* 9s 40 0@8#s *;=s >8*;479?s 80Bs *7088?9s =0/;/*8=?#s = B ;?7 ;:s ;s +7 4F;9??s +79s =99C98s +s C9;9+8*+9?s +79s 9*8+7

7@?s +79s +9Bs *;=s 800+s *89s @;+9=s /7989s +79 8s :8+7s ?s :89*+9?+#s *;=s * 9=9-9E 0C9=s ;s 0CC0?+9s =894+ 0;?"s +79s 08B98s * /*A?s +9;=?s +0s *?49;=#s *;=s +79s 0/98s +0

=9?49;=# *;=+79A+0:9+798 40;?+ +@+9+79 ('7'$/,!" /?#& ;+ +? 9*8 A ?+*:9 +7 ? *5 ? ? ? BC 9# 7@+>A?@449?? -9 :80/+7? +@?@* A: -9? 0 >8*;479?# /7 47 08B &'238)/"-/?'&E 9*47 >8*;47 B*A+7@?>9 89:*8=9=**?**;;=9C9;=9;+*5?

79 C0 ;+0 D@;4+0;0 +79 ?+9B2*;=8OO+ ?+79 8'2F G23!!/ 5 4I + ? 80B +7 ? C0 ;+# /747 B*A >9 +7 4F9;9=#6?708+9;9=# 08 0>?4@89# +7*+ +79 *?49;= ;: >89? 0 +79 ?+9B *;=+79 =9?49;= ;: >89? 0 +79 8OO+= -98:9

79 ?+9B# /747 *0;9 C0??9??9? +79 C0/98 0 9B ++ ;: *+98* 95C*;?0;?# =9-90C? 80B +? ?=9? B089 08 9?? *++9;9=>0=9?# +79 !'/('& 3 79 C0 ;+ *+ /747 +79 9*-9? ??@9 80B +79 ?+9B ? :9;98* A +7 4F9;9=# *;=? +98B9=* 83)" G83)9&>5 +79 ;+98-*?>9+/99;+79 ;0=9? *89 $'" ')#9$'"A#3)'& D#8$'"83)%# 5 '"#$%/!!9& & 79;+79 ;0=9? =9-90C 9*-9? 0; A# +79 ?+9B 89B*;? DI98 94+ A &#89.!" 08 @;>8*;479=" >@+*+9*47 ;0=9 *, ,9) G7' /5!4!B*A?C8;:80B+79*5 0+79 9* K*;=+7?>@=# /747 *CC9*8? *+ 8?+*? *? ?B* C80+@>98*;49# *+98/*8=? >940B9? *, "/82% G"/ 9&5 /=47 9;:+79;?# =>-> 0C? 9*-9?# *;=8*B 9? ;+?+@8;# =79>@=? ?C8;:;: 80B +79 *5 ? 0+79 0*-9? 0;+79 C8 B+-9 *5 ? +7@?: -9 08 :;+0 *? B*;A 89?7 *59?# /79;49 +89?@ +? +7*+ +79 B0+798 C *;+ ? 89C9*+9= >A9-98A>@=/747 + C80=@49? 9;49 + ? B089 0:4* +0 ?*A +7*+ * C * <+ 9!$#.!#'&5 $% /58 $$# #$ #)#(#)'& >A>8*;47 ;:* *;=* -9:9+*> 9 B*A+7@?>9 00F9<@C0;# ;0 *? *;;= - =@* # >@+*? *40 94+ -9>9 ;:# 08 *;* :89:*+ 0;0 ;= - =@* ?;0@8 ?79= ;40BB0;# F9 +79 <00C7A+9? 0 *408*

79 ;0=9 =09? ;0+* /*A? C80=@49 * 07 *;=>@=" +79 >@= B*A >9 *>?9;+ 08 ?4*849 A - ?>9# 08 +79 9* B*A>9 BC98 94+ A=9-90C9=) >@+ +79 *++98 ? 8*89 A 9;+89 A ?@CC89??9=" *;= /79;+79 >@= ?L@;=9-90C=# + ? 0/ ;:+0 +79 8 :0@8 0+79 4 B*+9 08 +79 ?708+ =@8*+0;0+79 C *;+

9*-9? *89 ;0+ =9-90C9= C80B ?4@0@? A0;+79 ?+9B ' +79A B*A>9 : -9;0 ? ;: A# /79;+79A* 9 /!$'"8/$" G/!$'"8/5 :H E 08 +/0 B*A>9 C *49= 3..3&#$" $3 9*47 0+798 D3..3&#$/5 :MI" 08 +79A B*A>9 <%3"!')*80@;= +79 ?+9B G('"$#"#!!8$/

$M +'$07;.? & 08+' CC0? +9 9*-9?

0*= *5' +98;*+9 9*-9?

:I +9B 9*-9? *89 8*89 A /708 9=# >@+ 08* 9*-9? *89 *88*;:9= ;? 9-98* ?@D 98 8*C0?9= <%3"!& G('"$#2#!!#

+98;*+9 9*-9?# +70@:7 *CC*89;+A?4*++989= /=+70@+ 08=98 0;+79 *5 ?# *89 89* A *88*;:9= ;* ? ?C 8* G :I" ?0 +7*+# ;?+*8+;:80B *;A 0;9 9* GHI# /9 *; -9# * +98 0;9 08 B089 +@8;? 0 +79 ?C 8* # *+ *;0+798 9* G I# C *49=

= 894+ A *>0-9 +>9 8?+ &79;49 + 89?@ +? +7*+# +79 9*-9? 40BC 9+ ; : +79 ?C 8* GH# # M# # I / 989 * DI *49= 0; *9-9 / +7 +79 8?+# +79A / 0@ = 08B * / 708 *80@; = +79 ?+9B 7 ? *88*; : 9B 9; + ? BO89 9*? A +8*49= 0; A0@; >8*; 479? 0 +899? +7*; 0; 798>*490@? ?+9B? ,

79 >89 -*?4@ *8 >@; = 9 40; ; 94+ ; : 6 9 : 899; 95C*; ? 0; 0 +79 9* / +7 +79 ?+9B ? +79 . '$#3!'' G. '$#3!9&5 : NI + 95+9; =? 80B +79 *5 ? +0 +79 %!/)' 08 !# %

O & * 0 / 98 0 / 98

G!# ,4A#&5 !/ #8/ 5 / 7 47 ? 40BC0?9= 0 C*89; 47AB * *C= >80 -*?4@ *8 >@; = 9?# / 7 47 *++98 08B +79 8'"('& G(="(#5 H# # MI % ' B == 9 ; 98-9 0 +79 B>#/7 47 ? 40; + ; @0@? / +7 +79 . '$#3!'5 #& +79 I)#/8 8'"('3'# #)"#, B8 ')#9&5 23&$/ ')#/ 79 >@; = 9? / 7 47 8 ?9 80B 9*47 ? =9 0 +79 B =8 > *89 +79 !/$'"/! 8'"('& D8 !/$'> "/!'& É *; = +79?9 *: * ; : -9 8 ?9 +0 &'238)/"- G I6 $'"$#/"- GMI# =2& ; 98-9?# *4408= ; : +0 +79 8 ?@>= - ? 0;

9* ?C8 ; : ; : = 894+ A 80B +79 ?+9B / +70@+ * C9+ 0 9 ? &'&&#!' GP &'&&#!'5 :?' I# *; = +7*+ / +7 * C9+ 0 9 ? . '$#3!/$' GP . '$#3!/$9 5 :?' # NI 79 9* > *=9 ? C80+94+9= 0; >0+7 ?@8 *49? >A * +7 ; # 40 0@8 9??# *; = +8*; ?C*89; + ?F ; G'.#)'" #& 5 / 7 47 40-98? * B0?+ +79 9; + 89 C *; +# *; = / >9 =9?48 >9= *+98

79 40 0@89= 9*-9?# *88*; : 9= ; / 708 ? *+ +79 95+89B + 9? 0 +79 @ + B *+9 >8*; 479? 0 +79 *5 ?# +0 : 9+798 08B +79 :!3<'' G:!3&5 : OI 79 >8*; 47 &7 47 BB9= *+9 A >9*8? * 0 / 98# *; = 08B? +79 *5 ? 0 +? 40BC0; 9; + / 708 ?# ? +? .')982!' 08 .')#2'! G.')9829!9&5 .')#2'!!9&5 : O# 9=I +? BO89 08 9?? ? / 0 9; 95+89B +A# @C0; / 7 47 +79 / 708 ? 0 +79 0 / 98 *89 : 80@C9=# ? +79 "'2'.$/2!' G"'2'.$/29!9 5 : H # +%

; +79 BO?+ @ A =9-9 0DB= C *; +? +79 0 / 98 ? @?@* A 40BC0?9= 0 0@8 ?@449?? -9 / 708 ? G : OI# 0 / 7 47 +79 ; +98; 0=9? *89 ?@CC89??9= 79 0@+98 08 0 / 98 / 708 ? +79 2/!-? G2/!-?5 :?' O# ?# *; = I# +79 9*-9? 0 / 7 47 *89 &'./!& G&, ./!/5 : I 79 / 708 / +7 ; 08 *>0-9 +79 4* A5 ? +79 23"3!!/ G23"3!!/5 : O# CI# *; = +? 9*-9? *89 .'$/!& G.'$/!/5 : QI & 79; *C9+* ? ? ; 0+ ?9?? 9# >@+ 7*? +? > *=9 . + >08; 9 0; * C9+ 0 9 GOI# +7 ? C9+ 0 9 ? 4* 9= +79 2!/< G98-9#&

79 / 708 / +7 ;' 08 *>0-9 +79 4080 * ? +79 /8)"2'2#9 G/8)"/'2F# 5 :?' O# # *;=' H I# *;=' +?' 96 -9?*89 &$/ '8& G&$/ #8/5 :?' H # & *;=' HHI' 79 C9+ 0 9 0 ' +79 ?+*B9;' ? +79 :#!/ '8$ D:#!/ '8$9 'A/8)' +?' > *=9 ? +79 /8$%'" G/8$%2"/ 79 =@?+A C*89;47AB* 40;+* ;9=' ;' +79 *;+798 ? 4* 9=' .3!!'8 G.3!!'85 CI 7 ?' C0 9;' 9*-9?' +79 *;+798 *+' *' 498+* ;' C98 0=# *;=# * ;:' 0;' +79 49;+8* ' 08:*;' 0 '+79 0 / 98# *?? ?+?'

' &* 0 / 98' * A5 GB*: I Q' L&* 0 / 98' 067

0 ' "8* 0 / 98' =8@94 @B#*;=' C ?+ ' GB*: I' HH# &* 0 / 08# +*B9;' GB@: I

;' +79 08B*+ 0;' 7 '+79 ?99=

7989 89R;9;+ A 044@8 0;' +79 8949C+*4 9 G :' H # ? ?B* ' >0= 9?' .! / 7 47 ?9489+9 *' ? / 99+ D@ 49# ;*B9=' 8'2$/"#:'"39& 7!/8)& 08 8'2$/"#'& G7!/8)9!3" 8'2$/"#:'"2'5 8''$/"#/

79 / 708 / +7 ;' 08 *>0-9 +79 *;=84;4 @B' ? $%'" . #&$#!' G.#&$#!%# 5>=7' H I' 7 ?#

H, ' 0 @B> ;9 ?+ '40BC0?9=' 0 ' 0 4*8C9 ?# / +7 +79'?4*8?'0 '+79'?+*B9;?' 0;' + 9'8949C+*4 9' %

+79 49;+8* ' 08 *?+' 0 ' +79 08* ' / 708 ?# ? 40BC0?9=' 0 ' 0;9 08' B089 9*-9?' 4* 9=' 2/". '!& G2/". #)#/5 ' /". '!!/5 : ' HMI# >9*8 ;:' 0;' +79 8 9=:9?' ?B* ' >0= 9?' 4* 9=' 3(9!'& G3(9!/ 5 =9?+ ;9=' +0' 89C80=@49 +79 C *;+' / 79;' 98+ <9=' >A' +79 C0 9;' 79 > *=9 0 ' +79 4*8C9 # / 7 47 9;4 0?9?' *;=' C80+94+?' +79 0-@ 9?# ? +79 3(/"7 G3(/"#9 5 : ' H # 0I' +?' C80 0;:*+ 0;' @C / *8=?' ;+0' *' 0;:98'08'?708+98 ;94F' ? +79 &$-!' G&$-!9&5 + ' *;=' +79 &$#7 /' G&$#7 /5 ?I' ? *;' 08:*;' 0 ' -*8 *> 9 08B# ?C0;:A' *;=' - ?40@?' / 79;' A0@;:# @?@* A C *49=' 0;' +79 +0C' 0 ' +79 ?+A 9L' *;=' =9?+ ;9=' +0' 8949 -9 +79 ;=9;# / 7 47 *=7989?' +0' +?' ?@8 *49

79 ?@>?+*;49 0 ' *;' 08= ;*8A' 9* # 70 / 9-98 +7 ;# 40;? ?+?' 0 ' +7899 C*8+?' GHI' *;' @CC98' *;=' G I' *;' @;=98' ?@8 *49# 9;4 0? ;:' GMI' *' ;9+ / 08F' 0 ' >89?' *;=' C*89;E 47AB*' *;=' *' ? :7+' ;?C94+ 0;' / ' ?70 / ' +7*+' *' 4*8C9 *8A' 9*' ? ' 40;?+8@4+9=' 0;' +79 ?*B9 C *;' 7@?' ;' +79 9*# +79 C ?+ ' 0 ' / 7 47' ?' 40BC0?9=' 0 ' *' ? ;: 9' 4*8C9=# / 7 47' ?C +?' ;+0 7* -9?' / 79;' 8 C9 G :' H I# +79 0@+98 C08+ 0;' 0 ' +79 9* ' . + ?' *' +7 ;' ?F ;# 9*? A' +08;' * / *A# ;*B9=' 2.#2/". ' G'.#2/".#9 ' 79 ;;98 C08+ 0;' . +

40;? ?+?' 0 ' *' +7 4F98' *;=' C* 98' B9B>8*;9' +7*;' +79' 8?+#;*B9=' '8)32/".' D'8)32/">' .#9 ' 79' ;+98B9= *+9' CO8+ 0;' 40;? ?+?' 0 ' *' BN89' O8' 9?? ?@44@ 9;+' + ??@9' G*44O8=E ;:' +0' +79' C8OCO8+ 0;?' 0 ' >89' *;=' C*89;47AB*I#;*B9=' '&32/".' G '&32/" #4$8 ' ;' +79' ?O +*8A' 4*8C9 ' / 7 47' O8B?' +79' C ?+ 7O ' *' 7988A' G :' HNI# 9*47#' O8' C8 40+' G :' H I#+79' 9C 9*8C' G I' ?' *' +7 ;' ?F ;#+79' B9?04*8C' G :?' HN# &' *;=' H # I' ?' -98A' +7 4F' *;=' ?@44@ 9;+' / 79;' 8 C9#*;=' +79' -9 6A' 7*8=' 9;=04*8C' G :?' HN# # *;=' H # ;I' O8B?' +79' ?+0;9

79' >8O -*?4@ *8' >@;=9?' G :' H # +' / 7 47' *89' O@;=' 0;' +79' 9=:9?' O '+79' > *=9' O ' +79' 4*8C9 *8A' 9* # *;=' / 7 47' >0+7' >9*8' +79' O-@ 9?' GOI' *;=' +8*;?B +' ;O@8 ?7B9;+' +0' +79B# *89' 4* 9=' +79' .!/2'8$2'5 D.!/2'8$2'5 $"9.%3&.'" #/ ' *47' C *49;+*' C8O=@49?' *+98*' ' >8*;479?' O8' 4O8=?# 4* 9=' :98#2!'&' G:98#29!#5 +&' / 7 47' *89' ?0B9+ B9?' -98A' ?7O8+# *;=' +78O@:7' / B 97' +79' ;O@8 ?7 ;:'D@ 49?' *89' 40;-9A9=' +0' +79' ?99=?' & 79;' +79' @;0 9?' *89' *>?9;+' G :' H I# ;O@8 ?7B9;+' ?' +8*;?B ++9=' = 894+ A' +0' +79' ?99=' 8OB' +79' C *49;+*

79' &'')' O8' .!/8$>'77' D#' '85' :' HOI' ?' +79' O-@ 9' 98+ <9=' >A' +79' CO 9;' +' ?' 40BCO?9=# GHI' 0 ' *' -98A' ?B* ' >0=A# =9?+;9=' +0' 89D 8O=@49' +79' C *;+# +79' ' ,"-3' GO8' .! $9!/I ' G I' 0 ' *;' 9;-9 OC9' O8' ;+9:@B9;+' ?@88O@;= ;:' * ;=' C8O+94+ ;:' +79' 9B>8AO' 7 ?' ;+9:@B9;+' G;' +79' O-@ 9I' 9 +798' O8 : ;*+9?' 8OB' +79' +OC' O ' +79' @; 4 9' G :' HO# 8I# O8' = 894+ A' 8OB' +79' C *49;+*' G :' HMI' +' @?@* A' 40;? ?+?' O '+/ O' *A98?' O8' 40*+?# *;' 95+98;* ' $'&$/' G :' HO# I# *;=' *;' ;+98;* ' '8)3.!'9"/'. +% 79' CO ;+' O '@; O;' O '+79' ?99=' *;=' @; 4 9# *;=' *+' / 7 47' +?' ;O@8 ?7B9;+' 9;+98?# ?' 4* 9=' +79' ##I9 ' O8' 9 ,#!#29&' G :' H # +&' *;=' ?' *' C*8+' O '+79' +9?+* ' 79' 2F/!/J/' G 6' HO# +' B*8F?' +79' ?CO+' / 7989' +79' D@ 49?' C9;9+8*+9' +79' ;+98;* ' 40*+' *;=' 89*47' +79

HN' 7988A
C9' 4*8C9 # 4@+' -98+ 4* A#
?7O / ;:' +79' ?99=' ?@? (B4 9=
>A' *' @; 4 9' ' ?C ;:;:'
8OB' +79' >O+#OB' O' +79' HO' 9*' 99=' =9C8 -9=' O '7* ' +'
F98;9 ;+9:@B9;+' GB*:I

9B>8AO# *;=' ?' @?@* A' ;=4*+9=' O;' +79,' O@+? =9' 7A' *' C8OD94+ O;' O8' +7 4F9;:' O8' = ?4O O8*+ O;' & 79;' +79' 7 @B' *;=' 47* *<*' *89' ?@C98 BCO?9=# +79' D@ 49?' 89*47' +79' 9B>8AO' = 894+ A' / 79;' + 9A' *89S*+' OCCO? +9:9;=?# +79A' *89' 4O;;94+9=' >A' *' ?B* ' 4O8=# "/.%"' G :?' HO# # *;=' H # I# / 7 47' 8@;?' >9+ / 99;' +79' + / O' 4O*+?' 79' ?B* ' OC9;:' +78O@:7' / 7 47' +79' O-@ 9' ?' *4+9=' O;' 7A' +79' CO 9;' ?' +79' 8)2"3.-!"' G :?' HO# *;=' H # I 79' 9B>8AO' G :?' HO# HQI' ?' *' 4OBDI 9+9' C *;+' ;' B ;*+@89# 4OBCO?9=' O '*' ?+9B# 2/9!#2!"' G$#7'!!9&5 2/9!#29!9&5 I# *' 8OO+# "/)#2!"' D"/)#29!/5 +&' O;' O8' +/ O' 9*-9?# 23$-K !')38&' G23$-!')38'&5 4I# *;=' *' >@=# .!9 9!"' G7' 8 !/5 .!9 9!/5 !+&' @?+ * A' 044@CA ;:' *' ?B* ' C +' . # ?@;F' ;' +79' +7 4F;9?' O ' +79' 4O+A 9=O;?' 79' AO@;:' C *;+# * +98' 7*- ;:' >99;' ;O@8 ?79=' >A' +79' D@ 49?' +8*;?B ++9=' +78O@:7' +79' @; 4 9D' =9+*479?

+?9 ' 80B' + 9' *++98' / +7' +?' ;+9:@B9;+?' *;=' / 79;' C *49=' @;=98' *-0@8*> 9' 4 84@B?+*;49?#' +' ?79=?' 08' 9*-9?' +?' 40*+?#' *;=' >940B9?' =9-9 0C9=' ;+0' *' C *;+' ? B *8' +0' +?' C*89;+

79' 2/9 2!'' . +' ?' *' ?B* ' 4A ;=8 ' 08' 40; 4*' >0=A#' >9*8 ;:' +79' 8?+' 9*-9?' 0' +79' C *;+' G :' HQ#' 4I#' / 7 47' *?49;=?' +0' 08B' +79' ?+9B ' 79' 8*= 4 9' . +&' 08' 08:*;' =9?+ ;9=' +0' =9-9 0C' +79' 800+?#' ?' *+' 8?+';989 A' *' +8*;?DI*89;+' C0 ;+' +98B ;*+ ;:' +79' 899' 9;=' 0 '+79' 4*; 4 9#' *;=' +9;= ;:' =0 / ; / *8=?' +' @?@* A' 90889?D?0;=?' ;' +79' ?99=' +0' +79' C0? + 0;' 0 '+79' B 480CA 9' G :?' HO#' H I' 79' 40+A 9=0;?' G :?' HO#' *;=' HQ#' 4I#' / 7 47' *89' +79' 8?+' 9*-9?' > '+79' A0 :' C *;+#' ?C8 ;:' *+98* A' 80B' +79' 4*; 4 9#' *;=' C80+94+' +79' C @B@ 9#' 08' 8?+' ?700+' 0 '+79' @+@89' C *;+' +79A' *89' @?@* A' +7 4F' *;=' ?@44@ 9;+#' *;=' ;0@8 ?7' +79' A0@;:' C *;+' @;+ ' +' ?' *> 9' +0' ?@CC08+' +?9 ' & +7 ;' +79' ;+9:@B9;+?' 0 '+79' ?99=' +7989' *7-*A?' 95 ?+?#' *+' *;' 9*8 A' C98 0=#' *' DI94; *8' 08B' 0 '49 @ *8' + ??@9#' +79' ?+@=A' 0 ' / 7 47' ?' BDD08+*;+#' *;=' +0' / 7 47' / 9' ?7* ' 894@8'' +' ?' ?0B9+ B9?' 8* 6 = A' *>?08>9=' >A' +79' 9B>8AO#' >@+' *+' 0+798?' +' ?' 89+* ;9=' ;' +79' ?99=' @;+ ' :98B ;*+ 0;#' ;' / 7 47' 4*?9' +' ?' 4* 9=' * >@B9;#' *;=' ?@CC 9?' +79' A0@;:' C *;+' / +7' +?' 8?+' 00=

0;?=98 ;:'+79'9B>8AO'*?' +79' C *;+' ;' +?'? BDD 9?+' 08B# 9+'@?' 0 0/'+79' :80 / +7' *;=' *+98*' =9-9 0CB9;+' 0 ' +?' C8 B + -9' *5 ?' 79' + / 0' 8?+' 9*-9?' G23% !')38&' *89'

*++*479=' +0' +79' ?B* ' ?+9B' G2/9!#2!'' 5' *?' B*A'
>9' ?99;' ;' +79' 9*' G :' HQI# 08# >9++98#' ;' *'
:98B ;*+ ;:' 9*;' G :' # 4# 4I' 79' "/)#2!''5
/ 7 47' +98B ;*+9?' +79' 899' 9;=' 0 '+79' 4*@ 4 9'
G :' # +&?9;=?' 0@+' B*;A'=9?49;= ;:'>8*;479?##
*;=' 0 B?' +79' 800+' . +% 0B9+ B9?' +79' 40+AE
9=0;' ?' ?0 +*8A#' *?' ;' +79' * <9' G :' H# 4I#
/ 79;' +79' 800+ 9+?' @?@* A' ?C8 ;:' 80B' -*8 0@?'
C0 ;+?' 0 '+79' 4*@ 4 9' G I#' *;=' >8*;47' -98A' ++ 9
+' +79' C0 ;+' 0 ' @;0;' 0 ' +79' 40+A 9=0;?' 08'
40+A 9=0;' / +7' +79' 4*@ 4 9' ?' +79' C @B@ 9' G :
*;=' :' H# 7 ' *47' 40+A 9=0;' *;=' ' 98B *+0@0' =;9A' :' C @B@ 9' ?' C80=@49=' 80B' *
;0=9# >@+' +79' ;+98;0=9?' *89' ?4*849 A' - ?> 9 H' 98B ;*+0;'0' *<9
00;' * +98' :98B ;*+0;# *?' +79' C *;+' :80 / ?' *;=' +79' *5 ?' 9;:+79;?# +79' ;0=9?# *;=' 40;?9R@9;+ A' +79' 9*-9?# >940B9' ?9C*8*+9=' 9*8' +79' 0 / 98' +79' ;+98;0=9?' 0 '+79' *5 ?' ?708+9;# +79' 9*-9?' @?@* A' >940B9' ?B* 98' *;=' 47*;:9=' ;' 08B' *;=' 40 0@8 '' ;* A# *+' +79' +98B ;*+0;' 0 '+79' *5 ?# +79' 9*-9?' G:#3$('C> 5' ;?+9*=' 0 ' 08B ;:' * ?C 8*' 08' >9 ;:'C *49=' ;' C* 8?# *89' *88*;:9=' ;' ?@C98 BC0?9=' / 708 ?' 0 ' = ++9;B+' ?+8@4+@89# + 9' 9*-9?' ;' 9*47' / 708' @?@* A' * +98;*+ ;:6' / +7' +70?9' 0 ' +79' ;95+' / +7 ;' 08' *>0-9' +'' / 7 47' 89?@ +?' ;' +79' > *=9?' 0 ' +79' = 789;+' 9*-9?' 40B B?;:' +79' 0 / 98' >9 ;:' ?9C*8*+9=' *?' *8' *?' ?' 40BC*+ > 9' / +7' >9 ;:' 480 / =9=' ;' *' -98A' ?B* ' ?C*49

79' 9*-9?' 0 '+79' +7899' 8?+' 08*' / 708 ?' G&'./!&5'.'$/!&5' &$8 '4##&' 7*-9' ;0' >@=?' ;' +79 8' *5 ?' 08' 0;' +79 8' 9=:9?' +70?9' 0 '+79' C ?+ ' * 0;9' B2/''.'!&' C80=@49' *;=' C80+94+' >@=?'' 9*47' 9=:9' 0 '+79' 4*8C9' B.!/2'8$/' : - ;:' 0 =:A' +0' 4055 ?#' / 7 47

40;-9A ;0 @ ? B9;+0 0;9 8 B089?99=>@=?G3(9!'&5 /7 47 9-9;+@* A >940B9 ?99=?# 40;? ?+ ;:0 '*;9B>8A0 / +7 +?;+9:@B9;+?# /7 47 ?=9?+ ;9=+0 C80=@49 *C*;+?B *8 +0 +?C*89;+ 70@:7 ?0 =?? B *8# +79 0-@ 9 08?99=>@=C89?9;+?*89B*8F*>9*;*0:A+0*;08=;*8A>@=' >0 ?C8;: 80B*;0=9#*;=*89C80+94+9=>A*9* '>0+7*89=9?+;9=+0 89C80=@49+79 6*;+ +9A0; A= 98 ;+79 40;=+0;? 0 +79 8 95 ?+9;49) +79 &'')>,9);99=;:08 +?=9-9 0CB9;+79 98+ <;:*4+0;0 +79 C0 9;' +79 ,"/82%>,9);99=;:0; A+79 ;0@8 ?7B9;+40;+8>@+9=>A+79 ;0=9 0 +7 ?B@?+>9*==9=#+7*+79 ,"/82%>,9) B@+C 9?+79 C*;+/ +70@+?9C*8*+;: 80B +' /7 ?+ +79 &'')>,9) ? =9?+;9=+0 9*-9 +?C*89;+#*;=89C80=@49*+*= ?+*;49+79 C*;+/7 47 :*-9 +>8+7

;?0B9 4*?9? +79 ,"/82%>,9) B*A >9 ?9C*8*+9= 80B +?C*89;+#*;=B*=9 +0:98B ;*+9# /7 47 ? =@9+0 +79 C0/98 /7 47 +79 ?+9B C0??9??9? 0 9B ++;: 80B +?@8 *49?@CC 9B9;+*8A 08 /)('8$#$#39& 800+? G8 /)('8$#$#2' 0B9+ B9? *A0@;:>8*;47# /+7 +? >@=?# B*A >9 =9+*479= 80B +79 ?+9B# *;=C*;+9=# /79; +79 >@8 9= C08+0;?C99= A ?9;=? 08+7 800+?# *;=+79 ;9/ ;=--=@* >940B9? *;;=9C9;=9;+08:*; ?B)+7 ? ? 4* 9=C80C*:*+;:>A &!#.& 08 29$$#87& D$/!'/ 8+79 >8*;47# ?+ *++*479= +0 +79 +8@;F# B*A >9 ?@880@;=9= /+7 =*BC B0@ =# C+0 /7 47 +9B +? 800+?# /7 47 ?00;>940B9 ?@ 4 9;+A ?+80;:+0;0@8 ?>+79 >8*;47# *;=+0 C98B +0 +? 89B0-* 80B +? C*89;+?+9B)+7 ? ? +98B9= C80C*:*+0; >A !/-'"& G /!!'3!# 8*:*;# +79 >8*;47# /+7 +? >@=?# B*A >9 ?9C*8*+9= 80B +? C*89;+#*;=?0 *++*479=+0 *;0+798 C*;+# /70?9 ?*C 89?9B>9? +? 0/;# *? +0 >8;:; +0 40;+*4+79 C*8+?;/7 47 +79 ?*C 4 84@ *+9? +79 >8*;47 +79;:80/?**? 0;+? C*89;+) +7 ? ? 4* 9=C80C*:*+0; >A :8* +?# *;=+79 C*;+0;/7 47 +79 >8*;47 ? :8* +9= ? 4* 9= +79 &&32F *?+ A# +79 >8*;47 >@=B*A ?9C*8*+9 ?C0;+*;90@? A 80B +79 C*89;+F9 *?99=>@=#*;=:/!!#87 $3 +79 :80@;=# B*A ?+8 F9 800+*;=>940B9 *?9C*8*+9 ;=--=@* # *? ;+79 :98 A G$#7 HH5 '' ?@47 >8*;47 >@=?*89 4* 9= ,9!,#!&G,9!,#!!#

79 C0/98 0 C 0=@4;:G;*+@8* A 08 *8+ 4* AI >@=?*;=**=-9;++0@?800+? ?;0 40; ;9= +0 +79 ?+9B# +79 >8*;479? 0 B*;A C*;+? 7*-;: * ?0 +7 ? C0/98 79 C7A? 0 0 T : ?+ %@7*B9 # 7*-;: C*;+9= * +899 /+7 +? >8*;479? ;+79 :80@;=# ?*/ +79 800+? >940B9 40-989= /+7 >@=?# /7 9 +79 >@8 9= >8*;479? C80=@49= 800+?

' ;5 980 5? A ' 08+0;'0'?+9B ;?0B9 9*?9? +79 = - =9= 800+ / 89C80=@49 +79 C*;+# *? ;' H ' #'(3#A!%# 9*':-;:'0 '9B>8A0?'*+'9*47'489;*+;89

+79 $*C*;' 9#82'5 +79 &/7" "/87" G+/2!9"/5*;=9?C94* A +79 /9!3<8#/5 +79 800+? 0 / 7 47 B*A >9 4@+ ;+0 ?B* ?94+0;?# 9*47 0 / 7 47# C*;+9=# / C80=@49 * C98 94+ +899

;0B9 C*;+? +79 9* +?9 C0??9??9? +7 ? 89C80=@4+-9 C0/98# *? ;+79 /$'"2"'&&5 /")/ #8" ."/$'8&#&5*;=+/!/?#&5 U4# *B0;:?+;*+-9 C* 8+?" *;=*B0;:?+ 950+ 4?# "-3.%-!!9 2/!-2# # G : MI# * ?@44@ 9;+ +80C 4* C*;+# /70?9

H ' %'

+79' ;94F' 08' 480 / ;' 0 ' +79' 800+' ' 800+' ?' :#,"39&' D"' :#,"3&/ ' / 79;' +?' >8 ?' 08B' *' >@;= 9' 0 ' ;9# 0;:# ?4*849 D >8*;979=' +789*=?' G+'/)3<>7"/&&5 ▫ ¯ 0I' 83)3&'' G8' 83)3&/ 5 / 79;' +79' >89?' *89' ?/0 9;' *+' ;+98-* ?' G "3.<3"$5 :' I' $9,="38&LD"' #9,'"3&/ 5 / 79;' +79' >89?' *89' B@47' ?/0 9;' ;' +79' B == 9# +7@?' >940B ;:' ?+089?' 0 ' ;0@8 ?7B9;+' =9?+ ;9=' +0' ?@?+* ;' +79' C *;+' G1/%!#/5 :' 0I' 79' 847 ?' 800+' G :' I' ?' >0+7' >80@?' *;=' +@>980@?# +79' 0-0=' 08' C* B*+9' +@>98?' >9 ;:' 89?98-0 8?' 0 ' ;@+8 + 0@?' B*++98?# *;=' +79' 4A 4=8 4' >89?' >9 ;:' 08:*;?' 0 ' *>?08C+ 0;' 79' >89?' 0 'A @;:' 804@?' 800+?' *89' ? B *8 A' ?/0 9;

& 9' 7*-9' ?* =' +7*+' +79' ?+9B' 7*?' +79' C0/98' 0 '9B ++ ;:'*=-9;+ + 0@?' 800+?' ' +79?9' *89' ?0B9+ B9?' *8+ 4 * A' ;=@49=' G*?' 0;' &!#.& 08' !/-'"& 5 ?0B9+ B9?' ?C0;+*;90@? A' =9-9 0C9=' 0;' +79' ;0=9?' 0 ' +79' ?+9B') / 79;' +79?9' 9B98:9' *+' *' 40;?=98*> 9' 79 :7+# *;=' =9?49;=' +0' 9;+98' +79' 9*8+7# +79A' *89' +98C 9=' /'"#/!' "33$& GB*;A' +80C 4* ' 4 B>98?' *;=' 9C C7A+*' 0847 =?I' / 79;' +79A' ?C8 ;:' 80B' +79' 0/98' >8*;479?' 0 ' 4899C ;:' C *;+?# +79A' *89' 4* 9=' /22'&&3"-' "33$& B $"/<,'"""-5 "398)>#(-

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79' &$' 'B2/9!#&' ?' +7*+' C08+ 0;' 0 '+79' -9:9+*> 9' *5 ?' /7 47' :80/?' ;' *;'0CC0?+9' = 894+ 0;' +0' +79' 800+' +' >8*;479?' >A' B9*;?' 0 ' ?700+?# / 7 47' 08 : ;*+9' ;' +79' *5 ?' 0 '+79' 9*-9?' 79' ?+9B' 95 ?+?' ;' * ' .% 837/ &5 >@+' ?' ?0B9+ B9?' ?4*849 A

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.'"'88#&' / 79;' +' -9?'
B*;A'A9*8?' B $"/<,'"""- '
/889/!' B2' /88 #& 5 / 79;'
+' 0;A' -9?' 0;9' B %'/$I'
,#'88#/!' B2',#'88#& 5 / 79;'
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' %*; 9 0;# ; +7' 800+

?940;=' +' 0/98?# 8@ +?# *;=' = 9?' 79' ?+9B' ?' %'",/2'39&' B2' %'"%/2'9&' /=9 ' ?0 +' *;=' 9*? A' >80F9;'' ?@47' *89' *;;@* # > 9;;*# *;=' B*;A' C989;;*' ?+9B?'' +' ?' <33)-' B2' !#783&9&5 :"9$#23&9&' / 79;' +' 08B?' *' ?0 =# B089' 08' 9??' =@8*> 9' /00=' B /F' +' ?' &9::"9$#23&'' B2' &9::"9$#23&9&' / 79;' +79' 0/98' C*8+' ?' 7*8=#*;=' 89B*;?' '*>0-9' :80@;=' 08' B*;A'A9*8?# / 7 9' +79' >8*;479?' *;=' +/ :?'= 9# *;=' *89' *;;@* A' 89;9/9=' B 9'5 %- '5 /7'5 #$$'">&<''$' 79' /00=A'?+9B' 0 '+899?' ?' 4* 9=' *' $"98F54

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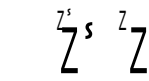

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0 / 98 ;: ?+9B 8@ +? *;= = 9?# +0: + 98 / + + 9 0 = ? 00+ +7*+ C80=@49= +# >@+ +79 ?940;= A9*8.? ?700+# / 7 47 7*?;0 / C80=@49= *+@ + 0 9*-9?# / ;+?+@8;0 / 98 ;+79 0 0 / ;:A9*8 ?700+ *895 +7@? 89R@ 89? +7899 A9*8? 08 +? @)'('!3. '8$

79 ?+9B ? &$3!389 :'"39/ B2 &#3!38#:'" / 79;4899C ;:?700+? G:!/7'!!9 ?C8 ;: 80B+79 *5 ? 0 +? 0 / 98 9*-9?# =9-9 0C +98E B ;* +@ +? 0 9*-9?# +79;8 ?9# *;= C80=@49 800+ >89? >9 0 / +79 +@ +? B "'.#87 9$$'"29.E $"3+> %'""-5 :MOI 79 "3&'$$' G4."3./7(!9< ? +79+! +0

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%'',9!,B,9!,9&5 #!-5 :M I ? *? ?@>+988*;9*;? / 0 9;?+04F# 40;? ?+ ;:# 8?+ A# 0 *' BO89 08 9?? 40;-95 9?7A = ?F B!'29&5 +& / 7 47 >9 0 / : -9? 8 ?9 +0 +79 800+? ?940;= A# 0 9?7A# 4 0?9 A *CC89??9= 40*+? 08 ?4* 9? . + >08;9 0;+79 = ?F +7 8= A 0 *' BO89 08 9?? 49;+8* ?700+ . +& 9R@* A >08;9 >A +79 = ?F# C80+94+9= >A +79 40*+?# *;= 08B9= 0 8@= B9;+*8A 9*-9? *;= 0 / 98? 0@8+7 A# 0 0;9 08 BO8 *+98* ?700+?# 4* 9= 2!3('& B,9!,9!# A =9?+ ;9= +0 89C80=@49 +79 C *;+

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>@ > ? 23/$')$ G%$ $98#2/$9&$ />9;$+79$ 0@+98$ 9*-9?$ 0-98 ;C$ 9*47$ 0+798$?0
?$ 40BC 9+9 A$+0$?79+79$+79$>*?9$0$+79$?+9B$G *84 ? #$:$MVI"$ 8#385$:$ I$ +$
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Y?/9 ? 40;?=98*> A# +0$;0@8?7$+79$?700+$ $
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$;0;$ 0%9=>@>$:#DA:]D:$ 08B?$*$>@ >$G I$*>0-9$+79$08 : ;* $ 804@:$ @C98 B I0:9+$>@ F?
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F9$+79$ 8?+$ +$+79$?=9$0$+79$B == 9$>@ >$*$ *+98*$>@ > $0 +9;$?C .;:?#/747$
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$ 40BC*8 ;:$ 800+?+04F?$ / +7$>@ >?#+$?$ 9*?A$+0$ C9849 -9$+7*+$+79A$= 48$
0; A$>A$+79$:89*+98$ 08$ 9??$ 9;:+7$0$+79#=?F#*;=$+79$ B089$ 08$ 0??:$ 9?7A$+95+@89$
0$+79 8$@;=98:80@;=$ 9*-9?$ 79$ 800+?+04F$ B*A$+7@?$>9$ 89:*8=9=$*?$*$>@ >$/ +7$
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79 ?@C98 BC0?9= 800+?+C4F 0 +79 804@? C89?9 ;+? * +8* ; ? + 0 ; 80B +79 >@ > +0 +79 800+?+04> C80C98# 08 + B*A 9R@* A >9 89 : *8=9= *? * - 98+ 4* 800+?+04F 08 *? Ü ?98 9? 0 ?@C98 BC0?9= >@ >?

Y 9 800+?.0 "2%#&A / 7 47 *89 >0+7 >80@? * ; = +@>980@?# *89 4 *??9= / +7 +8@9 >@ >?# = 98 ; : 80B 08= ; *8A#>@ >? 0 ; A ; +79 ? / 9 ; : 0 ?0B9 0 +79 800+ >89? 79 + / 0 +@>98? *89 0 -> = G : MI 08 C* B *+9 G : I# * ; = * .9 @ ; 9R@* " 0 ; 9 . HI ? =*8F 40 0@89=# &8 ; F 9=6 *>>A# * ; = 9BC+A# * ; = : -9? 0 +79 0 / 98 ; : ?+9B +79

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0+798 . I ? *8 : 98# / 7 +98# * ; = BO89 ?@44 ; 9 ; +# 0 +9 ; 9 ; = ; : ; / 9 =9-9 0C9= >89? . +& * ; = >9*8? * ?700+ . I# 80B +79 >*?9 0 / 7 47 : 80 / >80@?# 800+? 79 + / 0 +@>98? G : I *89 @ ; +9= *>0-> >A * - 98A ?708+ ; 94F G> HI 7 ? ; 94F 40 ; ; 94+? +79 0 = +@>98 D$ N / +7 +79 ; 9 / 0 ; 9 . H 5 * ; = 80B + +79 *++98 =9?49 ; =?# * ; = * 9* A ?700+ . I *?49 ; =?# / 7 >7 ; +79 0 0 / ; : A9*8 / >9*8 * 0 / 98 ; : ?+9B >9+ / 99 ; +7 ? *8 : 9 ?700+ * ; = +79 0 = ?+9B * - 98+ 4* 4@+ 89 - 9* ? * +7 8= + ; A ?700+ . %MI# =9-9 0C9= 80B +79 A0@ ; : +@>98# * ; = =9?+ ; 9= +0 ?@4499= + ; +79 +7 8= A9*8 7989 *89 +7@? +7899 : 9 ; 98*+ 0 ; ? ; +79 800+?+04F 0 * ; 847 ?# 9*47 0 / 7 47 89R@ 89? + / 0 A9*8? 08 +? C98 94+ =9-9 0CB9 ; +# * ; = = 9? *+ +79 9 ; = 0 +79 +7 8=# * +98 7*- ; : 0 / 989= * ; = +79 ?*B9 B*A 79 ?99 ; ; /"'?5 "329&5 * ; = 08= ; *8A >@ >? 79 +98B $9%'"& B$9 , '"/5 $9%'"> 29!/ 7*? >99 ; : -9 ; +0 +79 = *+9= 95+89B + 9? 0 @ ; =98 : 80@ ; = 800+?# N 0+*+0 @>+988* ; 9* ; '>8* ; 479?' >9*8 ; : '+@>984 9?# @?@* A 40 ; +* ; ; : ?+*847 79?9 ? / 9 ; : ? 79*8 8@= B9 ; +*8A 9*-9?# ; +79 *5 ? 0 / 7 47 *89 '-'& 08 >@=?# / 7 47 =9-9 0C ; +0 ?+9B ? G '"9&/!' "$#2%3F'E 3$/$35 : NI 79 40 ; -98? 0 ; 0 ?700+? ; +0 +@>98? 4* ; >9 9 ; 40@8* : 9= >A 9*8+7 ; :

@C +79 0/98 CO8+0;0 +79 ?+9B +79 40-98 ;: ? ?:7+ +79 +@>98 ?/9 ? >@+ ++ 9 +79 :7+ 4*; C9;9+8*+9 +0 +79 ?+9B + 79 +@>98 >940B9?:899;*;=C80=@49? 80?9++9? 0 9*-9?

"3.&D:9!2"/ *89Y F ;=0 *98 * 800+? /7 47 ?C8 ;: 80B +79 *5 ? 0 9*-9? 08 80B -*8 0@? CO ;+? 0 +79 ?+9B ;4 98+* ;4 B> ;: C *;+? D (-5 : OI /7 47 *89 *++*479= >A +79B +0 /* ? 08 +899? +79?9 08:*;? *89 ;0; *>?08>9;+ >@+ @;=98 ?@ +*> 9 4>;=+0;? +79A D97*-9 F9 08= ;*8A 800+?* *? ? ?99; /+7 -A 4@ + -*+9= 08 9=: ;:?

92%'"& D%/9&$3"#/ *89 ?B* /*8+? @CO;498+* ;C*8*?+4 ?+9B? D 9&29$/5 : I /79;49 ??@9 +8@9 ?@CC 9B9;+*8A 800+?/7 47 *++*47 +79B?9 -9? +0 [#79 ;9:7>0@8 ;:C *;+?* ;=8*/ ;0@8 ?7B9;+ 80B +79 8D@ 49?

79 ?+9B ? 2-!#8)"#2 08 $'"'$" G4 2-!)"#29&5 $'"'& 5 /79; *+8*;?-98?9 4@+ C89?9;+? *4 84@ *8 0@+ ;9 D /,,/7' EO23 ."'&&')D2 23 .P"'&&9& 5 /79; *;9 C+4

0;9# *?2 ?R@99<9= 80B OCC0?+9 ?=9? D $ 3%80& 3"$5 9$&/8 EO$"#/879!/" 08 $"#73839& G4 $"#/879!/"#&5 $"#7389& 5 /79;* 4@+ ?70/? +7899 ?=9? D /"'"' EO &78/" D2 M9/)"/879!/"#&5 $'$"/7389& 5 /79; + ?70/? 0@8 8:7+ *;:9? D / #8#8 '1Y .'8$/738/!G4 M9#8M9/879!/"#&5 .'8$/7389& 5 /79; + ?70/? -9 *49? *;= -9 *;:9? D "/ ,!'

79 ?+9B ? 7!/,"39& D2 7!/,'" 5 ><%'8 +7989 *89 ;0 7* 8? 0; + D 3"&'>$/#!I'1 & 33$% D 2'(#& 5 /79;#>9 ;: *>80@?# + C89?9;+? ;0 80@:7;9??# *;= +?? @8 *49 ?R@ +9 9-9; D 9!#. EO&2/,"39& D2 &2/,'"5 /&.'" 5 /79; +? ?@8 *49 C89?9;+? ++ 9 ;9R@* +9? D /""3$'EO&$"#/$'G4 &$"#/$9& 5><%'8 + ? B*8F9= /+7 ?B* 8* ?9= 0;:+@= ; * ;9? 08 &$"#2 D 3""'! EO<#87')D2 /!/$9& 5 /79; @8; ?79= /+7 0 *490@? 95C*;?0;? D 3 :"'-5 : NN EO83)3&" D2 83)3&9& 5 /79; +? ;0=9? *89 +@B = D #8%5 : KI'1 .#!3&'G4 .#!3&9& 5 /79; + ? @8; ?79= /+7 0;: ?4*++989= 7* 8? D '",> 3,'"$I'1

%'&''8$ G4 .(%'&2'8& 5 / 9; + ?40-989= / +7 B089 08 9??*CC89??9= ?708+ 7* 8? G '8,/8''EQ<33!!-G4 /79;+79 7* 8?*89 0;:# 4 0?9#*CC89??9=# *;= 4@8 A G %#&$!''EO$3R#'8$3&I G4 $3!8'8$3&9& 5 &79;+79 7* 8?*89 ?708+# ?0 +# *;= B*++9= G+9!!'#8'#O(!39& G4 (#!!3&9& 5 /79C+79 7* 8?*89 0;:# ?0 +# *;= 4 0?9 ?9+ G 3"7'$ '>83$ %#''&9$''G4 %#"&9$9& 5 /79; + >9*8? ?+8* :7+# ?+ '7* 8? D 3"/7' EO%#&.#) G4 %#&.#)9& 5 /79;#+79 7* 8?*89 ?+8* :7+# 6?+ '*;= -98A 0;: D 3..- 79 *;*E +0B 4*'?+8@4+@89 0'7* 8?/ '>9 =9?48 >9= 7989* +98

79 ?+98; ?."#2%!-D25 /2#)''/$9& 5 /79;+79 7* 8? /7 47 4 0+79 + +7 4F9;# 7*8=9;# *;= 9;= ; ;*?7*8C C0 ;+ +79 ."#2F!'& G/29!'# * /*A? >9 0;: +0 +79 9C =98B ?# *;= 40B9 */*A /+7 + D 3&'5 : I 1 + ?.&.#839& G4 &.#83&9& 5 /79;+79 /00=A+??@9 0 +79 ?+9B ? 9 0;:*+9= ;+0 *7*8= C0 ;+ .#8'& D&.#82'' *89 @?@* A C*8+ * A =9-9 0C9= 08 *889?+9= >8*;479? D !/2F$%3"85 : HI# /7 47# @;=98 *-0@8*> 9 4 84@B?+*;49?# C80=@49 9*-9? *;= ?700+?

* 0;: +79 :80@;= D*8 $>7"/&& >A&."'/)#87 D2 ./$9%#& 5 /79; B*;A >8*;479? ?+*8+ 80B +79 ;94F# *;= ?C89*= 0; * ? =9? 708 <0;+* A D # .'"8'!I O/&2'8)#87 G4 /&2'8)'8& 5 /79;# * +98 >9 ;: 708 <0;+* 08 0> R@9*+ +? 40BB9;49B9;+# +? + C >940B9? @C8 :7+ D .'')<'!! >A2"''.#87 D2"''.'8& 5 /79; *C80?+8*+9 +9B : -9? 0 *=-9;+ +0@? 800+? 80B +79 ;0=9? D $"/<,'""-5 : OI 1&2/8)'8$ G4 &2/8)'8& 5 /79; + 8* ?9? +?9 >A* = 0 ;9 :7>0@8 ;: >0= 9?# *;= *++*479? +?9 +0 +79B# 9 +798 >A ."3.& D (-5 : OI# &92F'"& G 9&29$/5 : I# 08 $'8)"#!& D6#8'5 : H +'!38$: N H I +79 4 B> ;: ?+9B ? +98B 9= %3 #87 G4 (3!9,#!#& 5 /79; + 40 ? ?C 8* A 80@;= 0+798 >0= 9?# 8 ? ;: 9 +798 80B 9 + +0 8 :7+ G4)'?$"3"&9 (3!9,#!#& #8)<'')5 : I# 08 80B 8 :7+ +0 9 + G4 &#8#&$"3"&9 (3!9,#!#&5 3.5 : MI 0 +79 ?C94+*+08 C *49= 0CC0? +9 +? 40;-95 +A Y

79 = 894+ 0; 0 +79 >8*;479? =9C9;=? 0; +7*+ 0 +79 9*-9? 80B +79 *5 ? 0 /7 47 +7 9A ?C8 ;: *;= +79A *89 /!$'"8/$ D" /!$'"8#5 3&' 5 3..3&#$ D" 3..3&#$ 6/!'"#/8 5 08 <%3"!')G8 ('"$#2#!!/$# #8'

79 ?+9B >9*8 ; :0CC0? +9 >8*;479?)#2%3$3 39& 64)#2%3$3 9&5 / ,4& '$$92'I ' *;= $"#'%3$3 39& 64 $"#'%3$3 9&5 !'/8)'" 5 / 79; + 40;+ ;@* A 08F? 08 +8 @84*+9? +0 +79 95+89B + 9? 0 +? >8*;479?

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'/('& G:3!#/ *89 @?@* A *+# :899;# 708 <0;+* 95C*;? 0;?# *8 ? ; : 80B +79 ;0=9?# *;= *89 +79 89?@ + 0 +79 ?C89*= ; : 0@+ 0 *> @;= 9 0 >89?# +79 ;+98?+ 49? >9+/99; /7 47^*89 9= / +7 C*89;47AB* 79 C0 ;+ 0 +79 ?+9B 40;?+ +@+ ; : +79 >*?9 0 +79 9* # *;= 0 / 7 47 +79 *++98 ? *40;E + ;@*+ 0;# 08 C? *?B* ?/9 ; : G.9!(#89&5 : # 4I# /7 47# /79;+79 9* 7*? * 9;# ? 4 9*8 A ;= 4*+9= >A *
?4*8 3

8 A4 ;9#
8*;47 ?70/ ; :+79 >@=? N 8*;:9 O *;@;4@ ;? E<' 575,7'.265/21.= *7'
* +98+79 9*-97?7*-9 * 9; 9* '/ +7*/ ;:9= C9+ 0 9 9* '/ +7'*BC 95 4*@'C9+ 0 9 .? 235

79 9*-9? *;= 800+? *89 +79 C8 ;4 C* , 08:*;? 0 ; @+8 + 0;# *>?08> ; : 80B +79 *+B0?C7989 :*?9? *;= R@ =? ?@ +9= 08 +79 ; @+8 + 0; 0 +79 -9:9+*> 9) +79A * ?0 *4+ *? 89?C 8*+08?# *;= *? 957* 98? 0 @?9 9?? B *++98?' *;= + ? ; +79 8 + ??@9? +7*+ +79 ?*C# *>?08>9= >A +79 800+# *;= 40;=@4+9= @C / *8=? >A +79 ?+9B# C*8+? / +7 +? ?@8C @? @ =?# *;= *4R@ 89? * +? ; @+8 + 0@? C80C98+ 9?

* * C *;+ 08:*;?# +79 9*-9? *89 +70?9 / 7 47 C89?9;+ +79 :89*+9?+ -*8 9+A# *;= / 7 47 ?@CC A B0?+ ?C94 4 47*8*4+98?

&79; +79 -*?4@ *8 >@;= 9 / 7 47 9;+98? +79 9* ? C80 0;:9= 08 * 498+* ; 9;:+7 >9 089 >8*;47 ; :+0 08B +79 ?F9 9+0; 0 +79 ,!/)' B!# ,9& 5 + +*F9? +79 ;*B9 0 . '$#3!' D. '$#3!##& 5 *;= +79 9* ? 2/+'# . '$#3!/$' B: . '$#3!/$9 % '''''-5 : ' 1 /79; + 95C*;=? BB9= *+9 A * +98 9*- ; : +79 ;0=9# +79 9* ? 89=@49= +0 +? > *=9# *;= ? 4* 9= &'&&#!' GP &'&&#!'5 $ 3%84& 3"$ & 79; +79 > *=9 B989 A ;*880/ ? ?0 *? +0 08B *; 0>?4@89 C9+ 0 9# + ? 4* 9= &9,>. '$#3!/$' GP &9%>. '$#3!/$9

79 C9+ 0 9 B*A >9 2-!#8)"#2 B. '2-!)"#'9& 0;: +@= ;* A : .00-9= 08 2%/88'!!')

B. 2/8/!#29!/$9& *++9;9= 708<0;+* A# 08)'."'&&')D.)'."'&&9& *++9;9= *+98* A08 23 ."'&&')B. 23 ."'7&9& ;+7 ?4*?9 + ?@?@* A 95 > 9# *;= +79 C9;=@ 0@?7 *=9+89B> 9?/ +7 9-98A>89*+7 0 / ;= G &.'8

79 C9+ 0 9 ?@?@* A 0 +0 98*> A @8D 08B = *B9+98 +780@:70@+ +? 9;:+7 D. 238$#899&5 (-5 : Ol *>@+ + B*A>9 B@47 = *+9= ;+79 B == 9# *;= +7@? 89?9B> 9 *> *=9 ?9C*8*+9= 80B +79 +8@9 > =9>A *0;?+8 4+ 0;# /79; + ?<#87')G. /!/$9&5 "/87'5 : N # C 2/2#/%'$'"3.!#-!!/5 : Nl *?+ A# * = *+9=C9+ 0 9

' &79*+' 79*+ ;:' 9*

B*A 89C *49 +79 +8@9 > *=9# /79; + ? 4* 9= /.%-!!3)'G.%-!!3)#9 5 7- ; B0?+ @?+8* *; 2/2#/& &79;'+79'9; *8:9=>*?9 0 '+79 C9+ 0 9# *;=+79 ;0=9 80B /747 + ??@9?# 044@CA * *8:9 C08+ 0;' 0 '+79 4 84@B 989;49 0 '+79 ?+9B# +79 C9+ 0 9 ? 4* 9= / .!'?#2/9!G. / .!'?#2/9!#&5 /8# 39!9&5 : Ol ' '+79 9;+ 89 C9+ 0 9 ? 9; *8:9=# *;=?79*+79? +79 ?+9B# +79 9* ' ? 4* 9=&%'/$%#87G(/7#8/$#&5 /"'?5 %'/$5 : I 6 6 6

79 = 894+ 0;' 0 '+79 C9+ 0 9 ? @?@* A ?+8* :7+# >@+ ; ?0B9 C *;+? + / ;9? 80@;= ;9 :7>0@8 ;:' 0>D94+? G !' /$#&5 : NQI

+C@ 9? 1 ' 9* ' ? &$#.9!/$' GP ' &$#.9!/$9 5 /79;' C80- =9= *+ +? >*?9 / +7 *CC9;=*:9? B089 08 9??*;*0:0@? +0 9*-9?# ;*B9= &$#.9!'& G&$#.9!'& '/"$&'/&'5 : N I # 79?9 B*A >9 .'"&#&$'8$ G& .'"&#&$'8$'& 5 /79;' +79A C98? ?+ *? 0;:' *? +79 9* ' /747 +79A *440BC*;A G '/"$&'/&'5 : N I' 08 2/)9239& G?' 2/)922' 5 /79;' +79A * '>9 089 +79 9* # 08 *? ?00;' *? +79 ?700+ 9;:+79;? G #!!3<5 /F

N @4F / 9*+ 5 *8A ?+ C@ 9

O*8+?9*?9
9* / +7 *+98* ?+ C@ 9?

5:#!!/5"- B: 2/.#!!/''/ 5 /79;? 9;=98 *;= 95 > 9 F9 >* .? D /$'' "3#(:33$5
: OHl'1:#!#:3" GP :#!#:3" #/ 5 /79;+7 ;*;= ? 9;=98 F9 +789*=? D &./"/79&5
: Hl 79 *?9 9*-9? 0 ?C*8*:@? 7989 * @=9= +0# *;= /7 47 7*-9 >99;
=9?48 >9= *? 9*-9? >A B0?+ >0+*; ?+?# 0@:7+ +0 >9 40;? =989= *? >8*;479?
C8 ; : ; : 80B +79 *5 ? 0 ?B* 4*8 0A? ?4* 9?# /7 47 *89 +79 +8@9 9*-9?

; B8*;+7
; *8: ;*++,' 9*

: I'S/29 #8/$' GP /29 #8/$/ 5 /79;+79 + C ;*880/? 8*C = A *;= 9;:+79;?
;+0 *' C0 ;+ D '!!#$3"-5 : Ml'1 3,$9&' GP 3%$9&/ 5 /79;+79 + C ? 80@;=9= D+$&$!'$35

O# 8O;C= -A ; = /998+ ' 789 K,?/; 0'
(9@ O8B $0* *: ++*+9 9* 7 8 . 8;,' 9*

: I' 1 '/"7#8/$' D: ' /"7#8/$/ 5 /79;+ +98B ;*+9? ; *' ?7* 0/ ? ;@?
D /"/8$%5 : I
9*-9? *89 23")/$" D: 23")/$/ 5 /79;+79 >*?9 0 B? +/0 80@;=9= 0>9? *;=
+79 + C ? C0 ;+9=# ?0B9/7*+ F9 *;' *49 0 79*8+? D # '5 : N l'1 "28#:3" GP
"'8#:3" #/ 5 /79;+79 >*?9 ? 408=*+9 >@+ +79 + C 80@;=9=# F9 *' F =;9A D "398)'#(-5
: Ol'1&/7#$$/$" D: &/7!$$/$/ 5 /79;+79 >*?9 ? 9;:+79;9= ;+0 +/0 ?7*8C
0>9?# /7 47 *89 0> 4C 9 08 C*8* 9 '+0 +79 C9+ 0 9# F9 *;'*880/' D #8)#(''); : I'1

*89 *? 0_: *? +70?9 0 + 49 *4 ; :9 08 C*8+ + 0 ;? 08 ?9:B9;+?# *;= / 79;+79 = - ? 0;?# 0 ;=9 ; +9 =9C+7# *89 8= ;=9= *4408= ;: +0 +79 *88*;:9B9;+ 0 +? ;98-9? +79 9* ? +79; ?* = +0 >9 .#88/$'!- !3,') B: .#88/$#!3,/$9 5 3"383.9&5 : H I# 3 .! /$'!- !3%') G: ./! /$#!3!/$9 5 +=.!'5 : H QI

79 9* ? !-"/$ GP !-"/$9$8 5 / 79;# >9 ; : C ; ;*+ =# C*8+ +9# ?94+# 08 C ; ;*+9 A 0>9=# + +98B ;*+9? ; * 80@;=9= = - ? 0;# B@47 *8:98 +7*; +79 0+798? B 9"8#.5 : HH I'1.S)/$'B: .')/$9 5 / 79; +? 0>9?# ?9:B9;+?# C*8+ + 0;?# 08 *4 ; ?9 = -98:9 . 80B +79 >*?#9 +7 ? 044@8? / 79; +7899 C* B*+9 6 [A = - ? 0;? ?C8 ; : 80B +79 C9+ 0 9# +79 8 B =8 > 0 1 2 89B* ; ; : @;= - =9=# / 7 ?+ +79 + / 0 *+98* C80=@49 0; 9*47 ? =9 0;9 08 + / 0 C*8* 9 " ! "# = - ? 0;?# / 7 47 *89 C98C9;= 4@ *8 +0 +7*+ a b 80B / 7 47 +79A ?C8 ; : G '!!',3"'5 : HHHI Z 79 ?*B9 9* ? 0 +9; -*8 0@? A = - =9= [+7@? +79 ?9:B9;+? 0 +79 0 / 98 C ; ;*+ ?94+ Z[9*-9? 0 %'!#)38#9 G : HH I *89 079=# Z ? ;@*+9# 489;@ *+9# *;= =9;+*+9 +79 0 / 98 9*-9? 3: 238#$' G :# H I 1#89 C* B C*8+ +9# / +7 > = B)+8 = C*8+ + 0;?# *;= ;4 ?9= *;= +00+79= *4 ; 6) +79 0 / 98 9*-9? 0 '", 3,'"$ G : HHMIZ*89 C* B*+ ?94+# / +7 +8 = H G.O8O;OC@? HO ?#8*/>88A * B*+ ?94# 9*# D4 ?9= *;= +00+ 9= *47 ' .4;; @ (= O*

+79 *4 ; ?9 >9 ; : 80@;=9= *;= *>8@C+ A +98B ;*+9= >A * ?B* C0 ;+# *;= ?* = +0 >9 /.#29!/$' BN /.#29!/$2' 79 /&$3">3#! G :# H I# 3..- G : H MI# #8M>:3#! G : H NI# *;= + /.!' G : H QI# 7*-9 +00+79= = - ? 0;?

0BC0@;= 9*-9? 1 9* ? &# .!' G@ &# .!'? 5 70 / 9-98 =99C A 4@+ +? = - ? 0;? B*A >9# / 79;+79?9 4*;;0+ >9?9C*8*+9= 80B 9*47 0+798 / +70@+ +9*8 ;:# *? ;B0?+ 0 +79 9*-9? B9;+ 0;9= *>0-9 + ? 23 .398) GP 23 .3&#$9 5 / 79; +? 40BC0;9;+ = - ? 0;? 4*; >9 ?9C*8*+9= / +70@+ +9*8 ;: *;= +? = - ? 0;? *89 ;*B9= !'8:!$$&

D:3*3!/ 7 C9+ 0 9 0 *40+;C0@;= 9* ? +79 23 38 . '$#3!'G. 23 98#& 5 *;=
+7*+ 0 9*47 9* 9+ ? *. '%3!9!'G. '$#3!9!9&

9* ? &# .!- 23 .398)5 Y/79;+79 9* 9+?# / 79+798 C9+ 0 ; *+9 08 ;0+# ?C8 ; :
= 894+ A 80B +79 40BB0;C9+ 0 9 *;=# *440 = ; : +0 +? ;98-*+ 0;# +79 9* ?

,* 9 9>O89 9=*+9 9*

.#88/$'Y: .#88/$9 5 3!#8#/5 :# HH I 08)#7#$/$' GP)#7#$/$9 3"&'>2%'&$89$5
: HH D 9.#85 : HHNI & 79;+7989 *89 >@+ 9/ 9* 9+?# +79 8 ;?98+ 0;B@?+

&$ ' %'

HHO' 9 O+;?' ;;*+9' 9*# HH ' 89 O ' % : +*+9' 9*

HHQ' 9 +?47 *'+8 *4*;+7O?' C ;;*+9' 9* 4

>9 4*89 @ A 0>?9 -9=) + B?+79 G : HHOI 7*?*C6 @*+9 A +8 0 0 *+9 9* # >@+ +79 "':3#! G : HH I *= : +*+9 A : ' /$'4 9* # * +79 9* 9+? ?C8 ; : ; : 80B +79 +0C 0 +79 C9+ 0 9

79 9* #/ ,#.#88/$' GP 7 CB**+@BI# / 79;+79?940;=*8AC9+ 0 9?# ;?+9*= 0 9*77 9;= ; : ; ;* 9* 9+# 08B ?0 B*;AC ; ;*+9 9*-9? G !')#$&2%#/ $"#/2/8$%3&5 A7 NNZ E $"#.#88/$' GP $"#.#88/$9 A / 79; +79 ?940;=*8A C9+ 0 9? >9*8 *? ;*;A[> C ; ;*+9 9*-9? G 2$2'/ &.#2/$/5 : H I $"#>$'->8/$'5 / 79; +79 40BB ; C9+ 0 9 >9*8? +7899 ?940;=*8AC9+ 0 9?# / 7 47 9*47 >9*8 +7899 +98+ *8AC9+ 0 9?# 9*47 0 / 7 47 *: * ; >9*8? *? B*;A = : +*+9 A +8 0 0 *+9 9*-9? G 2$2'/ "/2' 3&/5 : H HI C 7;*+9 9* / +7 * +? 9* 9+? ; *+98* C* 8? ? +98B9= . /"#>.#88/$' GP . /"#A.#88/$9 -"79; ; *== + 0; + ? +98B ;*+9= >A *? ?0 +*8A 9* 9+# +79 9* ? # .)"#>.#88/$' GP # ./"#>.%!8/$9 5 3,#8#/5 : HH I

9* ? !/2#8#/$' 08)'23 .398) G: !/2#8#/$94$85)''3 .3&#$9 5 / 79;# / +70@+ >9 ; : 89* A 40BC0@;=# + ? 4@+ ;+0 *; ;=9 ; +9 ;@B>98 0 @;9R@* *4 ; ?9 G /92/!#& 8$%"#&29&5 : H /$'" "3<:33$5 : OHI# *? ; B0?+ @B>9 980@? C *;+? G /"&!'-5 %'"(#!5 ' !32%5 /""3$5 87'!#2/5 U4 I

9* ? ?#8$'""9.$')!->.#88/$' 08 >.#88/$#&'2$ GP #8$'""(.$#A.#88/$9 5 >. 8/$#> &'2$9 5 / 79;+79 9* 9+? 08 = - ? 0;? *89 * +98;*+9 A *8:9 *;=?B* G 3$/$3$5 : # H M 7"# 38-5 : H I

9;=8 ? 1 $69;=860? G2#""# *89+789*= F9# B089 08 9?? 889:@ *8 A ?C 8* 08:*;?# / 7 47 @?@* A 40 80@;= ;9 :7>0@8 ; : >0= 9?# *;= +7@? ?@CC08+ +79 C *;+ 79 9* ? 2#""%3& GP 2#""3&9 5 / 79; 0;9 08 B089 0 +? 9* 9+? ? 89=@49= +0 +? B9= *; ;98-9# *;= >940B9? * +9;=8 ; ;+79 #$$'" 6'$2% G : H I# +79 +9;=8 ? ? BC 9 *;= -98A ?708+# >94*@?9 + ? 0; A +79 +98B ;* 9* 9+ / 7 47 ? +7@? +8*;? 08B9= ; +79 '/ G : H NI# *;= ; 6'$2%'& G : H OI# +79 +7899 +98B ;* 9* 9+? *89 47*;:9= ;+0 +9;=8 ? Y ; *;0+798 "9+47 G /$%-"9& .%/2/5 : H I * +79 9* 9+? *89 ?@CC89??9=# *;= +79 / 70 9 9* ? ?89=@49= +0 * *B9;+ / +70@+ C*89;47AB* G-I ;

40BC9;?*+ 0;# +79 ?+ C@ 9?G?# ?I *89 -98A B@47 =9-9 0 +9=# *;= C98 08B +79 0 49 0 9*-9?; #!/?G :H QI# +79 C9+ 0 9 >9*8?+/0 *+98* +9;=8 ? >9 0/+79 ?;DD9

408=*+9>*=9#/7 47 B*A >9 89:*8=9= *? +79 *+98* 9* 9+? 0 * 40BC0@;= 9* # 89=@49= +0 +79 8 B9=*; ;98-9? 79 *+98* C0?+0;0 +79 ?0 +*8A +9;=8 ; +79 + '!38G :NHI *;=0+798 929"%#$/2'<5 $37'$%''" /+7 +79 *4+ +7*+ +/0 +9;=8 ? 044*?0;* A 044@8# 0;9 0; 9*47 ?=9 0 +79 9* # 7*? 9= B0?+>0+*; ?+? +0 89:*8= + *? *+?+C@ 9# 0 /7 47 +79 40889?C0;= ;: 0;9 ? ?@CC89??9=" >@+ +79 044@889;49 0 +/0 +9;=8 ? ? -98A 8*89# *;= +79?9 *89 ;9-98 C894 ?9 A 0; +79 ?*B9 9-9 ; +79 8;;+9 9 /@7 + 0*8 +9; H Q B *5 +C@* A +9;=8 ? 0+798 7*;=# @; F9 * +8@9 ?+ C@ 9# +79 +9;= 0 929"%#$/2'< ? =98 -9= 80B *-*?4@ *8 >@;= 9 89B0+9 80B +7*+ / 7 97 C80=@49? +79 9* # *;= ? ?9C*8*+9= 80B +79 C9+ 0 9 0 +79 *++98 >A >@=? ! C0;

+79 / 70 9# +79 ? BC 9?+ 95C *;*+ 0; 0 +79 +9;=8 0 +79 9 0; ?# +7*+# @; F9 +7*+ 0 +79 9**;= 0+798 9:@B ;0??9# + 89C89?9;+? * 9* # 89=@49= +0 0;9 08 B089 0 +? ;98-9? " +7@?# / 79; ? BC 9# + 89C89?9;+? +79 C9+ 0 9 *;= B = 8 >" / 79; >8*;479=# + 89C89?9;+? +79 C8 ;4 C* ;98-9? 0 +79 9* 6 / 7 47 *89 +79B?9 -9? C* B*+9 A - -=9= ; +79 6#8 " G : H I +79 +9;=8 ? 9* OCC0?9=# *;= 08B9= 0 * >8*;47 ; : C9=@;4 9 G-# -I# 0 / 7 47 +79 C9= 49 ? *89 ?@CC89??9=\ >@+ / 7 47 ?0B9+ B9? >9*8? BC98 94+ 0 / 98?

L

7 ? +98B G#8:!3"=&&2'8$#/ ? L7?9= ; + / 0 9;?9?# ? : ; A ; : >0+7 +79 *88*; : 9E B9; 0 +79 0 / 98? @C0; * C *;+# *;= * 40 94+ 0; 0 0 +98? ; 0+ ?9C*8*+9= >A 9*-9? C80C98 A ?0 4* 9=" +79 *++98 >9 ; : +79 B089 ?C94 * B9*; ; : 0 #+79 +98B

79 08:*;? 0 ; 0089?49;49 *89# GH I +79 ?@CC08+? 0 9 0 / 98?# :A)(#@82!'54.')#2'!5"'2'.$>/2!'E G I +79 "/2!& D%4"/2$'2' 5 08 * +989= 9*-9?# 80B +79 *5 ? 0 / 7 47 +79 08* 59? ?C8 ; :# *;= / 7 47 *89 * +989= ; 40 0@8 *;= 08B# *? +79A *CE C80*47+79 0 / 98" +79?9 *89 ?0B9E + B9? *>?9; B $32F *;= d 0+798 2#:/"<

79 .')982!' B.')98'9!$# & ? * >8*;47 = 894+ A +98B ;*+9= >A * 0 / 98" *;= +? 95+89B +A 08B? U#,':"'2'.$/2!'>B"'2'.$/29!9 7 ? ;*B9 ? * ? : -9;+0 * B089 08 9?? >8*;479= 0 / 98 ; : *5 ?# = 98 ; : @88*;+ BC09

8*4+ O ;94 +0 +79 C9=@;4 9 ; *CC9*8*;49 80B +79 89?+ 0 +79 ?+9B# >9*8 ; : >8*4+? *;= 0 / 7 47 +79 @ + B*+9 = - ? 0;? *89 4* 9= .')#2'!& B.')#2'!!#

8*4+? -*8A ; ?7*C9 +79A *89 @?@* A ?B* B 9""/8$5 : HM I# *;= B*A >9 +7 ;# +8*;?C*89;+# *;= :@8#,"/8 & B#" 2 %"/8/2'3' 8 08 +7 ;# =8A# ?+ # 40 0@89=# *;= &2/"#39& B," &2/"#3&225 '"/8#9"8 0 08 23!39"')5 F9 C9+* ? B 97!3&&I +79A *8 -98A *8:9 ; +79 # ' G : HMHI# / 7 47 ? C94@ *8 ; 7*- ; : +79 C9=@;4 9 *=;*+9 +0 +79 B =8 > 0 +>9 >8*4+# *;=# +70@:7 89* A *5 *8A +0 +# *CC9*8 ; : +0 8 ?9 80B +? 49;+89

.0 ."# /"- /?#& 2 6.0 ,* 2/0-50*50 ,- 6.0 2 : : 2* 1034*5 0 O.0*50 -1/,*+ 6.0 &'238)/"-5 $'"$#/"-5 = 7G0- 7552,#3,*+ 62 6.0,/ 2/30/ 2 30?0 21 : 0*6

79 ; 089?49;49 ? /?#!!/"- B#8: /?#!!/"#& 5 / 79; +79 C8 B*8A *5 ?# ;?+9*= 0 +98B ;*+ ; : ; * 0 / 98# ? ;=9 ; +9 A 9 0; :*+9=# *;= +79 0 / 98? *89 >08;9 @C0; ?940;=*8A *59?# ?C8 ; : ; : 80B +79 *5 ? 0 +? 9*-9? B # .="8'!5 : M I " + ? $'" #8/! D# $'" #8/!#& 5 / 79; +79 C8 B*8A *;= ?940;=*8A *59? >0+7 +98B ;*+9 ; * 0 / 98 B 3..-5 3!9 %4#8'5 : MHI

; 9-98A ; O89?49;49 +79 0 / 98? *89 &3!#$/"- G:! &3 $/"## 5 / 79; 9*47 C9=@;4 9 ? @;= - =9=# *;= ?C8 ;:? = 894+ A 80B +79 ?+9B# *;= ? ?0 *+9= 80B +79 0+798? >A ;O8B* 9*-9? G BC98 / 9\# : M I ; O89?49;49# ; +? 89?+8 4+9= ?9;?9# 40;? ?+? 0 * :80;A 0 C9= 49 9= 0 / 98?# 78*4+9*+9 O8 ;0+# * ?C8 ;: ;: 80B * 40BB0; C9=@;4 9 / 7 47 >9*8? ;0 +8@9 9*-9? ;=9 ; +9 ; O89?49;49? *89 1 +79 "/2' &5 23"- ,5 9 ,'!5 &.#F'5 *;= %'/)5 H 79 "/2' " G"/2' 9& ? ? *; ; O89?49;49 0 / 7 47 +79 ;9*8 A 9R@* ?940;=*8A *59? 8 ?9 * 0;: +79 C8 B*8A *5 ? + ? &#:$#.!'5 / 79; +79 C9= 49 ? ?C8 ;: = 894+ A 80B +79 C8 B*8A*5 ?#*;= +98B ;*+9 ; * 0 / 98 G #!-5 #!-3:$%" /!!'-5 8/.)"/738E 9"K "/8$5 : HM " +#7838'$$'5 : H I D + ? 23 .398)5

HMM :;0;9+9 BC 9C*; 4 9# 4 * 9 = * . /8#2!" G./8#> HM @44* O8 0?* 8*;47'0 40BC0@;='C*; 4 9 29!/ 5 / 79; +79 ?940;=*8A *59? >8*;47 0;49 O8 0 +9;98 >9 O89 0 / 98 ;: G 922/ !3"#3&/5 : H I $%-"&9& G$%-"&9& ? * C*; 4 9 0 * ;- 0-0 = ?7*C9# +79 49;+8* C9= 49 ? 0 / 7 :7 *89 0;:98 +7*; +79 0@+98 0;9?

HM 98*?@? *7* 9># ;=9 ; +9 408AB> HMN 7988A BC 9 @B>9

 79 23"- ,G23"- ,9& 89?9B> 9? +79 8*49B 9# >@+ +79 0 / 98 C9= 49 ? *89 ?0 B@47 0;:98 +7*; +79 @CC98# +7*+ +79 0 / 98? *89 ;9*8 A 0; * 9-9 G '"/&9& + /%/!',5

(

: HM I @ +79 $32 2 * ; = * * ; A * 9= C * ; +?# +79 + 089?49 ; 49 ? * + 8?+ * 408ABB>#
>@+ 47*; : 9? +0 * 8*49B9 *? +79 C8 B*8A *5 ? 9 ; : +79 ; ?
M ; +79 9 %) G9 , '!!/ +79 ?940 ; =*8A *59? *89 9R@* ; 9 ; : +7# * ; = ?+*8+ ; : 80B
+79 ?*B9 C0 ; +# R / 98 * + +79 ?*B9
79 : 7+# = - 98 : ; : F9 +79 8*A? 0 *
C*8*?0 6 + ? * 8*49B9 0 / 7 47
+79 C8 B*8A *5 ? ? 89=@49= * B0?+
+0 * C0 ; + 79 @B>9 ? & . ! '
G?98+0c*BI# / 79 ; +79 ?940 ; =*8A*59?
0 / 98 B %'""-5 : HMNI ' + ? $3 >
4.398)5 / 79 ; +79?9 >9*8 @B>9 *+9 A
88; : 9= +98+ *8A ; 59?' 4* 9= :
. / "$# / !' >9 , '!& D9 %'!!9!<5 . '88'!5

HM * 88 0+ ! B>9 ? / +7 ; - 0 @489 @B>9 @ 9 / +7 ; - 0 @49 ?

: H O" / ""3$5 : # H " 33!0& 9"&!'-5 : HMQI

HMQ 6+7 ; ?* ! B>9 / +70@+ ; - 0F 48N @B>9 * +9 / +7 ; - 0 @49 ?

79 >8*4+?# / 7 47 ; B0?+ 8*49B9?? C8 ; : # F9 +79 C9= 49 ?# 80B = 989 ; + 79 : 7+?#
; B* ; A @B>9 980@?? C * ; +? 8 ?9 0 ; * 9 - 9 # F9 +79 ?940 ; =*8A * ; = +98+ *8A *59?#
* ; = 08B * / 708 79 ; *B9
#8(3!92"' G#8(3!92"9 ? : - 9 ; +0
+79 >8*4+?? * + +79 >*?9 0 +79 @B>9

H *C+* ; BC 9 6 F9

H H' "98 - * ; ' BC 9 ?C F9

H & 79*+ 0BC0@ ; = ?C F9

H *+ * ; 4 9 0 ?C F9 9+? 6

B /""3$- ,+ #HM I# * ; = +7*+ 0 #8(3!92'! 0 . / "$# / ! #8(3!92"' B#8(3!92'!!9 +0 +79
%

>8*4+? *+ +79 >*?9 0 +79 C*8+ * @B>9 G 33!0& /"&!'-5 : HMQI 0+7 ;-0 @489
*;= ;-C @49 B*A >9 *>?9;+ G '88'!5 : HMOI
; +79 G&.#2/ 5 +79 0/98?
*89 ?9?? 9 08 ?@>?9?? 9 0; +79 C8 B*8A
*5 ? G !/8$/#85 : H " 6'"(/#85 :
H HI ;+79 23 .3982!&.#!2'G& 23 .3&#$/
+79 ?940;=*8A *59? 9*47 >9*8 * ?B*

H & 0/ +*B+; 980@?4*+F ; H & 0/ ?+ 980;?4*+F ;

= ?+ 470@? ?C F9 G&.# 2)'$5 %'/$5 : H I ; B*;A
:8*??9?#+79 ?C F9 9+? *89 >08;9 0; 0; : >8*;47 ; :
C9= 49 ?# 08B ; : * C*; 4 9 G /$5 : H MI
79 2/$%#8 G/ '8$9 ? * ?C F9#+79 0/98? 0
/7 47 *89 ;40BC 9+9 G# '5+79A /*;+ 9 +798 ?+*B9;?
08 C ?+ I# *;= /7 47 ? =94 =@0@? /79; B*+@89
G+9!,'"""-E #!!3<A A7& H # H " /%5 : H NI
79 238" G&$"3+!9& ? * 4*+F ; & +7 *8:9 +7 4F
?4* 9?#C8 ;4 C* A 0@;=0; 498+* ; 9-98:899; +899?#
79;49 ;*B9= 38#:'"& G #8'5 : H OI 79 ?C F9
0 +79 +3. G : H I ? * 40;9 / +7 *8:9 B9B>8*;0@? >8*4+?
79 &./)#? G&./)#? ? * ?C F9 0 #823 .!'$' 0/98?#/7 47#/79;
A0@;:# ? 9;-9 0C9= ; * *8:9 >8*4+ 08 &./$%" G&./$%/ 79 *5 ?
0 +79 ?C*=5 ?0B9+7;9?
0/98? +780@:70@+ +?
9;:+7# ?0B9+ B9? + 9
@CC98 CO8+ 0; ? 0/98 9??
G "9 5 : H QI 79
>8*;479= ?C*=5 0 * B?
? 4* 9= * 289: B9 : G;
89;47I

H O' ;9 O;9 H OC# DO;9

$9%# +79 0/98? *89
40 94+9= ;+0 * 79;=08
=9C89??9= ?C F9# 0 /7 47 +79 C8 B*8A *5 ? ? -98+ 4* A 40;+8*4+GK=#+7@?:*;;:
;+7 4F;9??/7*+ +7*? 0?+ ; 9;:+7 G 2/,#39&5 : HN " "':3#!5 : HNHI#*;=+79

' 8;B
C*= 5'4ZKO6/'>A'
+D9'84;O-O'0'
C*8+'0'+79'?C?!>9

' OF
+*B ; 980;?4*+F ;

=9C89??9=' *5 ?' ?' 4* 9=' +79' 40BB0;' 8949C+*4 9' D2 8/8$%#9 ' ?' ;' +79' !B>9#+79' 79*=' ?' @?@* A' >8*4+9*+9# 9*47' 0/98' ?C8 ; : ; :' 80B' +79' *5 ' 0 ' *' >8*4+' 7989

H ' 4*> O@?# G6*C +@ @B HN ' *8 :O =' *C 4@ ; ; ' / +7' ; -O @489

?70@ =' 79 ; 49' 79' *?' B* ; A' >8*4+?' *?' 0/98?# >@+# 0/ ; :' +0' +79' 480/= ; :' 0 ' +79' 0/98?# ?0B9' 0 ' +79' >8*4+?' *89' @?@* A' ?@CC89??9=' 79' 0@+98' >8*4+?# 08' +70?9' >9 0/' +79' 0@+98' 0/98# 08B' +79' ; -0 @489' D#8>'
(3!9'"9 5' . '"#2!#8#9 5' + /"#73!)5' :
H I' 79' >8*4+?' 0 ' +79' 49 ; +89' 0/98?'
89' @?@ A' 89=@49=' +0' &2/!'&5' %"#&$!'&

']' M' *B0B 9' H ' O;D 0/98'
* *+9' 8949C+*4 9# 4@+' 8 ?+ A' 8949C+*4 9# 4@+'
-98+ 4* A -9A+ 4* A H ' COCO8@OC' -90 *+9' 8949C+*4 9# 4@+' -98+ 4* A

3(' %/#"&' 79' 8949CK+*4 9' #&' . /!' /$" D"' . /!' /%# 5' /79;' 40-989=' / +7' ?4* 9 F9' >8*4+?' ?9C*8*+ ; :' +79' 0/98?' D / 3 #!'5' :' H I' 1 &'$3&" D" &'$3&9 5' /79;' +79?9' *89' >8 ?+ A' ' ?@47' *89' 0 +9;' 4@+' ;+0' ;9' 7* 8?' D 3"8#3<'"5' :' H I .#$$')' D"' /!('3!/$9 5' /79;' +79' 0/98?' *89' ?9*+9=' ;' =9C89?? 0 ; ?# ?9C*8*+9=' >A' -*8 0@? A' ?7*C9=' B9B>8*; 9?# /7 47' 89C89?9 ; +' +79' >8*4+?' D 83.3")385' :' H I' & 79;' +79?9' ; ; 98' >8*4+?' *89' *>?9 ; +' +79' 8949C+*4 9' ?' =9?48 >9=' *?' 8/F')' D"' 89)9 ' 1/8)'!#385' :' H NI' 0B9+ B9?' +79' >*?9' 0 ' +79' 79*=' ?' ; *F9=# 08' 0 ; A' C80+94+9=' >A' ?0B9' ; 08B* ' 9*-9?' D "':3#!5' :' H HI# >@+' 9*47' 0/98' B*A' ?+ ' >9' *440BC* ; 9=' >A' *' >8*4+

79' ; 089?49 ; 49?' 0 ' 13"&$'8#/' 38$"/-'"(/5' * ; =' 0 ' +79' #7' D%-./8$%3)#< 5' *89' * ?0' 79*=?' ;' 13"&$'8#/' G :' H OI' +79' 8949C+*4 9' ?' B@47' =9C89??9=' 08' ? :7+ A

40;4*A9# >9*8 ; : ;40BC 9+9 0/98? ;?98+9= ; C +? / +7 8*: : 9= 9=: 9? ;+79 #7
G7: H I +79 ; 089?49;49 ?? B *8# >@+ +79 8949C+*4 9 ?? ?+ BO89 40;4*-9# ;?0E
B@47 +7*+ +79 B* 9 0/98?# / 7 47 *89 *+ +79 +0C 0 +79 66*;?/98 ;C0?+0;+0 +79=0/9?+ 0Z"98? 0 +79
C8 B*8A *5 ?# *;= +79 ?B* ?4* 9?G>8*4+?I *+ +79
B0@+7 89C89?9;+ *; ;-0 @489# /= 47 ;+79 ;08B* #
?+*+9 /0@ = : 8=
+79 >*?9 0 +79
40BB0; 8949C+*E
4 9# *? ;* ;08E
= ;*8A 79*=
+ ? 0>-0@?
+7*+ 9-98A ;=9 E
; +9 ; 089?49;49
B@?+ >9 *BO= E
4*+0; 0 +79 8*E
49B9 +7@? +79
H O %08?+9; * H N %*;8 O; $;F9=8949C+*4 9 H :8 @+-98+ 4* A 408AB> ? *8*E
49B9 /=+7@;9R@*
?940;=*8A *59?# 89*47 ; : +79 ?*B9 9-9 *;@B>9 ? *8*49B9 /70?9 C8 B*8A
*5 ? ? @;=9-9 0C9= +79 ?C F9 ? *8*49B9 /70?9 ?940;=*8A *59? *89 @;=9-9E
0C9= +79 4*C +@ @B ? *?C F9 / +7 +79 C8 B*8A *5 ? -98+ 4* A +7 4F9;9=*;=
= *+9=
79 = 989;49 >9+/99;+79 8*49B9# 408AB>#@B>9 # ?C F9# *;= 79*= >9 ; : ? B=A
=@9 +0 +79 *BO@;+ 0 =9-9 0CB9;+ 0 +79 D68 B*8A *;= ?940;=*8A *59?# +79?9 +98B?
4*;;0+>9 C894 ?9 A B +9=# *;= ;+98B9= *+9+98B?*89 +7989 089 89R@9;+ A89?08+9=+0
*? ?C F9= 8*49B9?*;= C*; 4 9?# /79;+79 C9= 49 ?*89 -98A ?70 8+ * : 0>GK29 ?C F9
*CC80*479?+79 79*=# *;= *;0-0 = 08 ?C F9= 79*= *CC80*479?+79 ?C F9 B0;:?+
89 0 ?# 4*C +@ *+9# ?C F9=# *;= @B>9 9= 0/98?* 044@8
;+79 8*49B9# C*; 4 9# 408AB>#*;= ?C F9# +79 C9= 49 ? 0/98 80B >9 0/ @CE
/*8=?# 9+79 0/9?+ 0/98? 0C9; 8?+ ;? BC 9*;= 40BC0@;= @B>9 ?# +79 0@+98
0/98? 0C9; 8?+ / 79;49 /9 B*A 40;4 @=9 +7*+ +79 @B>9 ? *=9C89??9= 8*49B9
;+79 79*=# *? ;+79 =9C89??9= ?C F9# +79 0/98? 89* A 0C9; 80B >9 0/ @CE
/*8=?# >@+ *? +79 ?@8 *49 0 +7`` ; 089?49;49 ; >0+7 +79?9 4*?9?? ?;9*8 A
708 <0;+* # +79A *CC9*8 +0 0C9; 80B +79 4 84@B 989;49 +0 +79 49;+89# *;= *89
4* 9= 49;+8 C9+* # *+98B / 7 47 ? *CC 9= +0 9-98A ;=9 ; +9 ; 089?49;49# / 79+798
+79 0/98? 0C9; 80B >9 0/ @C / *8=?# 08 80B / +70@+ ; / *8=?
%9 ; +9 ; 089?49;49?# 1 79?9 *89 * ; 4 @=9= @;=98 +79 :9;98* +98B 2- "
G4AB *I# 70/9-98 B@47 +79A B*A >9 >8*;479= +79A *89# +79) ':#8#$'> 08 2- 8&">"8'88'E
$"9" 23"- ,E 9 ,'!!/$'>2- "E &.#2/$'>'- '5 &23".#3#)' 2- '>5 *;= 23")"/2$')4AB9# / 7 47
40BC* ?9? +79:/&2#2!" *;= +79 7!3 '"9!'
H ;+79) ':#8#$'> 08 2- 3&'>"/2' " D / ./89!/5 : H QI# +79 0/98 ;:C9= 49 ?
*89 0 ;9*8 A 9R@* 9;:+7# *? ;+79 8*49B9 80B / 7 47 + = 98? ;+79 C8 B*8A
5 ? . & & +& +98B ;+ ;: ; * 0/98# / 7 47 ? ;949??*8 A +79 8?+ +0 95C*;='

/ 7 ?+' 0 '+79' ?940;=*8D' *592'. ((((+(' +79' 0 / 9?+#' >9 ; :'+79' 0 =9?+#' 0 / 98?' 8?+'' *;='
+79' +98+ *8 9?' GO#' 4#' 0I#' * +70@:7'0 +9;' 0 / 98'+7*;'+79' *5 ?' / 79;49'+79A' ?C8 ;:#' 0 / 98
?+' 69' 89?@ +' ?# +7+' 0 ' +79' 95C*;=9=' 0 / 98?'
0B9' *89' *>0-9# ?0B9' >9 0 /' +79' >@=?# *4408= ;:'+0'
+79' 08=98' 0 '+79' ?@449?? 0;' 0 ' +79 8' *59?' & 79;'
95*B ; ;:' ?@47' ; 089?49;49?# +79' ?+@=9;+' B@?+'
00F' 08' +79' *5 ?' +98B ;*+9=' >A' *' 0 / 98# 08' +79'
+98' 9*' 08' >8*4+' / 7 47' +' >9*8?# *;=' 08'
+79' ?700+' 08' ?940;=*8A' *5 ?' / 7 47' ?C8 ;:?' >9E
+ / 99;'+7 ?' *5 ?' *;=' +?9

HNQ' *BC*@@*' '8*49B9 HN ' 98*?+ D B ' ' */+708;' %9 ;+9'408AB>
% 470+0; 0@d'4AB9

79'8*49B0?9'4AB9' ?'4* 9=' *'C*; 4 9' 08'+7A8?@?' / 79;' B@47'>8*;479='D "#('$I '
>@+' ;'89* +A'+79'= 989;49'>9+ / 99;'+79'=9 ; +9'8*49B9'*;='C*; 4 9' ?' ;0+' *;* 0:0@?'
+0' +79' = 989;49' >9+ / 99;' +79' ;='9 ; +9' 8*49B9' *;=' C*; 4 9# 08' +79' ;='9 ; +9'
8*49B9'40;? ?+?' 0 '*' C8 B*8A' *;=' B*;A' ?940;=*8A' *59?' / 7 9' +79' ;='9 ; +9' C*; 4 9'
40;? ?+?' 0 'C8 B*8A# ?940;=*8A# +98+ *8A# R@*+98;*8A' *59?' D@?+' *?' ?' +79' 4*?9' >0+7' ;'
+79' =9 ; +9' 8*49B9' *;=' =9 ; +9' C*; 4 9'' +79' 0; A' = 989;49' >9+ / 99;' +79?9' + / 0#
+79;# ?' ;' *CC9*8*;49

79'=9 ; +9 8*49B9' >940B9?' *')#2%3$3 39&2- '5 / 79;'+79'C8 B*8A' *5 ?' +98B E
;*+9?' ;' *' 0 / 98' >9+ / 99;' + / 0' 0CC0? +9' 9*-9?' 08' >8*4+?# 80B' +79' *5 ?' 0 ' / 7 47'
?C8 ;:'+ / 0'?940;=*8A' *59?# 9*47' *:* ;'+98B ;*+9='>A' *' 0 / 98' >9+ / 99;'+ / 0 '>8*4+?# 80B'
+79' *5 ?' 0 ' / 7 47' ?C8 ;:'+ / 0' +98+ *8A' *59?# *;=' ?0' 0;' D '"9&$#9 5 :' HN I'' +7 ?' 9-0E
@+ 0;' 0 ' @>08= ;*+9' *59?# 9*47'+98B ;*+ ;:'>9+ / 99;' + / 0' 0CC0? +9' *59?# ?' 40;+ ;@9='
+ ' +79' *?+' *5 ?' * ?# 80B' =9 4 9;' ;@+8 + 0;# +0' 89C9*' +79' C8049??' & 79;# ;?+9*='
0 ' + / 0' 0CC0? +9' 9*-97' 08' >8*4+?# +7989' *89' +7899' ;' *' / 708' >9 0 /' 9*47' ?@449?? -9'
49;+8*' 0 / 98# / +7' *:* ;' +7899' ;' +79 8' *5 ?6' +79' 4AB9' >940B9?' +8 9>0+0B0@?

' ;'+79') ':#8#$'' GO8' +8@9I' 23"- ,5 +79' = 989;' 0 / 98 ;:' *59 A' * +70@:7' 0 '
@;9R@*' 9;:+7# *++* ;' C89++A' B@47'+79' ?*B9' 9-9' D /<$%3"85 :' HNHI

;' +79' =9 ; +9' 8*49B9' *;='+79' 408AB>#+79' 49;+8*' 0 / 98?' *89 8?+'=9-9 0C9='
;' 0+798' / 08=?#+79' 0 / 98?' 0C9;' 80B' / +7 ;' 0@+ / *8=?## 08' 49;+8 @:7 A

; + 9)':#8#$" 9 ,'! 08 9 ,'!!/$" 2- " + 9 C9= 49 ?* *CC9*8 +0 ?+*8+ 80B + 9
?*B9 C0 ;+ *? ;+79 ;=9 ;+9 @B>9 # 7@+ +79 49;+8* 0/98? 0C9; 8?+# *;=+79
0@+98 C9= 49 ?* *89 9- =9;+ A +79 A0@;:699+ *;= ?708+9?+)
>9 ;: *=9 ;+9 @B>9 # 0/98 ;: 49;+8 @:* A# + ?+8@ A
* 4AB9 G %'!#)38#9 5 : HN I
79)':#8#$" &.#F" 08 &.#2/$'>2- " B ')?$ 5 : HN I

HN 79 =0;@B
%9 ;+9 @B>9

?40BC0?9= 0 *=?@449?? 0; 0 ;=9C9;=9;+ *59?# * +98;*+ ;: +0 +79 8 :7+ *;= 9 +#
9*47 +98B ;*+ ;: ;*;*CC*89;+ A ?9?? 9 0/98

N 79 &23".#3#) 2-
8*49B9 /7 47 80 ?@C ;=*480< 98 ?7* I0# F9 +79 +* 0 =*?408C 0; +
?40BC0?9= 0 *=?@449?? 0; 0 ; =9C97=6+ *59?# /7 47 =0 ;0+ * E +98;*+9 8 :7+ *;= 9 +# >@+ 08B *;
N 79O89+4* :@89 0'+79'?408C 0 =4AB9# ;+988@C+9= ;9# /7 47 +9;=? +0 +@8;>*4F @C0; +E ?9 ; +7 ? ;E O89?49;49# +79 >8*4+? *89 @?@* A ?@CC89??9= G : HN I
, N ;+79 &
05 0B98;9 $"/)')2- " +79 HNO *B ;B *?O 4 0?0;**;=98+@ +9?+9B

0/98? *89 480/=9=# 0/ ;: +0 +79 95+89B9 ?708+;9?? 0 +79 *59? + ? 4* 9=
:/&2#2!')5 /79;# +79 *59? *89 ?0B9/7*+ 9;:+79;9=# *;= *89 89:@ *8 A = ?+8 >@+9=

D <''$ #!!#/ '1 7!3 '"/$'5 / 9;' +79' *59?' *89' * B0?+'?@CC89??9=#' *;=' 95+89B9 A' 889:@ *8' D 3?5 :' HNNI

59=' ; O89?49;49?' *89' +70?9' ;' / 7 47' +79' =9 ; +9' *;=' ;=9 ; +9' >0+7' *CC9*8' ;' +79' [/%#/$ ' D / #9 5 :' HNOI' +79' :9;98*' ; O89?49;49 ?' ;=9 ; +9D / 7 9

HO ' ;+4 98.?' 8OOB' C C7A 0;?' O/989 HO ;:9 O/989=' 4AB9 HOH' ;=/99=# ;9'*;=' +/0 O/989=' 4AB9?

+79' ?9C*8*+9' 79*=?' *89' +8@9' *5 *8A' 4AB9?' O8' *?4 4 9?' ;' +79' + /!!3<&' +79' ?*B9' *88*;:9B9;' O44@8?' G :' HN I' ;' 3 .3&#$<' D "398)&'!5 :' H QI' +79' :9;98*' ; O89?49;49 ?' *' =9 ; +9' 408AB>#' *;=' +79' ?9C*8*+9' CO8+ 0;?' *89' 79*=?' 79' =9 ; +9' ; O89?49;49 ?' ?0B9+ B9?' 89=@49=' +0' *' ? ;: 9' O/98# *;=' 89?9B> 9?' +79' 0;9 O/989=' C9= 49 ?' O' *;' ;=9 ; +9' ; O89?49;49 D '/"$&'/&'5 :' HO I' >@+' *' ++ 9' >9 O/' +7J' O/98' +/0' ?B* ' >8*4+?' D,"/'$'3!'&' / ' >9' O@;=# ;' +79' *5 ?' O' / 7 47' *89' +/' O>- O@?' O8' ?@CC89??9=' ?700+?# / 7 47' ?0B9+ B9?' O/98' D #8)('')5 :' HOHI' 79' +/0' >8*9+90 9?' O' *' O;9 O/989=' C9= 49' *89' +7989 O89' +79'9- =9;49?' O' *' +/O' O8' +7899' O/989=' 4AB9# O' / 7 47' +79' C8 B*8A' *5 ?' O; A' ?' =9-9 OC9=

79' ; O89?49;49' O' 498+* ;' C *;+?' 7*?' >99;' 4* 9=' '.#.%-!!39&5 8OB' +79' O/98?

*CC9*8 ; :+0?C8 ; : 80B 9*-9? 08 >8*4+? ; +>9 # ' G : HMHI# +79 C9=@;4 9 ? D0 ;9=+0 +79 >8*4+? ; -!3.%-!!/+79 08* >8*;47# = *+9=* *;=* *++9;9=F9 * 9* # >9*8? 0/98? * 0;: +? 9=:9? $;+79 9$3%''"0& "33 G : HO I# *? ; -!3.%-!!/5 +79 C9=@;4 9?# 9; *8:9= ;+0 :899; 9*-9?# 8 ?9 ;+79 *5 ? 0 ?B* ?4* 9? /7 47 *89 +79 +8@9 9*-9?# *;= >9*8 0;+79 8 49;+89 0;9 08 B089 ?708+ A C9=49 9= 0/98?# 08B ; :* 4AB9

& #

79 !3<'"5 ; C799;0:*B 4 C *;+?# ? * 40 94+ 0; 0 ?9-98* /708 ? G@?@* A 0@8I# 08B9= 0 -*8 0@? A B0= 9= 9*-9? *88*;:9=0;9 *>0-9 *;0+798 ; 8 ;:? 08 ?+*:9?# ?0 4 0?9 +7*+ +79 8 ;+98;0=9? *89 ;0+= ?+ ;:@ ?7*> 9#

79 9*-9? /7 47 08B 9*47 08* /708 *89 ;0+* /*A? C894 ?9 A 0; +79 ?*B9 9-9 # >@+ 0 +9; 08B * 4 0?9 ?C 8* # *;= 40;?9R@9;+ A ;0+ *+8@9 /708 +79 +98B /708 ?# 70/9-98# * /*A? *CC 9=+0 +79 4* A5# 4080 *# *;=8094 @B# *;= C ?+

79 0/98 B*A >9 89:*8=9= *? * +8@9 ?700+# +98B ;*+ ;: +79 C9=@;4 9 08 C9=49 # *;= +7989 089 $'" #8/!*? 89:*8=? +79 >8*;47 80B /7 47 +?C8 ;:? B + ;: +79 :80/+7 0 +7*+ >8*;47 +? +98B ;* C0? + 0; B*A >9 +79089+ 4* A 95C * ;9= >A ?-R8C0? ;: +7*+ +79 08* /708 ? 957*@?+ +79 ?@CC A6 0 ;@+8 E B9;+ C80- =9= >A +79 *5 ?# *;= / +7 +7 ? +79 -9:9+*+ -9 0849 ;949??*8A +0 C80 0;: + ; +79 ;08B* 40;= + 0; 0 +79 0/98# +79 89E C80=@4+ -9 *;= ;@+8 + -9 0849? *89 ; 9R@ E >8 @B >@+ +7989 *89 4*?9? ; /7 47 +7 ? 9R@ C8 @ ; ? * ?+@8>9=6*;= @ / ; 4; +79 *5 ? -9+T@ A*;=98 9= 9; ;+79;?,>9A0;= +79 08* /708 ?#,*;= 89 C9*?# 70 ?0/ +9 C80=@49? +79 C *;+ >A >8*;47 >@=?# B /7 47 0;C +79 5# 4*?9? +79 ?99= >@=? *89 @?@* A ?@CC89??9=) +7 ? ? ?99; ; B*;A C *;+?# *;= 9?C94 * A ; C80 980@? 80?9? G : HOMI# 0 /7 47 +79 C9=@;4 9 ? C80 0;:9= ;+0 * ?@CC 9B9;+*8A *5 ?# 9;= ;: @?@* A ; *; BC98 94+ 0/98 G : HO I 0 ?9C* ? G I *;= C9+* ? GCI# ; +79 B == 9 0 /7 47 *89 * 9/ BC98 94+ ?+*B9;? *;= 4*8C9 ?

HOM' 80 980@?80?9 4#4# 4* A5 +8*;? 08B9= ;+0 9*-9? C9+* ? B@ + C 9= *+ +79 95C9;?9 0 +79 ?+*B9;? C80 0;:9= *5 ? >9*8 ;: *; BC98 94+ 0./98 0 00 0@ 9= >*=9? 89C89?9;+ ;: *70 + -9 4*8C9 ?

79 -*8 0@? A +8*;? 08B9= 9*-9? 40BC0? ;: +79 08* /708 ?# +70@:7 B0= 9= ; + ??@9# 40 0@8# *;= +95+@89# +0 08B +79 4* A5# 4080 *# *;=8094 @B# *;= C ?+ # ?0B9+ B9? 89-9* +79 8 08 : ; >A 89?@B ;: +79 *?C94+ 0 ;08B* 9*-9? 79 +98B /83 /!- 08 38&$"3&#$- ? : -9; +0 4*?@* =9C*8+@89? 80B + B ;08B* ?+8@4+@89 044@88 ;: ; *; B* ? *;= C *;+?# /7 47# *;0B* 9? *89 B0?+ 89R@9;+ A ;=@49= >A 4@ + -*+ 0;

79 8?+ /708 08 2/!-?5 >9 ;: +79 95+98 08# *;= +7989 089 +79 ;9*89?+ +0# +79 9*-9?# 89?9B> 9? +79?9 B0?+ Y a

79 ?940;= /708 08 23"3!!/ ? B089 * +989=" +79 + ??@9 0 +? C9+* ? ? B089

=9 4*+9# *;=' +79 8' 40 0@8' B089' >8 *;+#' >@+' +>9 8')/<5 !# ,5 *;=' 8'"('&5*;=' +>9 8' @?@* A' *+' ?7*C9# * ' 89-9*' +>9 8' 0 *8';*+@89

79' +7 8=' /708 # 08' /8)"2'2#8 5 >9*8\' B@47' *;* 0:A' +0' +79' ?940;=' ' +79' 89 *+ -9' C0? + 0;' 0 ' +79' ?+*B9;?' *;=' C9+* ?' ?' * /*A?' +79' ?*B9# *;=' +79?9' ?0B9+ B9?' C89?9;+' *;' ;?9;? > 9' +8*;? + 0;' 80B' 0;9' +0' +79' 0+7 9 8*?' ;' ?9B =0@> 9' 0/98?# /7989' ?0B9' 0 ' +79' ?+*B9;?' *89' 47*;:9=' ;+0' C9+* ?' ' ;' C*8+ * A' =0@> 9' 0/98?# /7989' * ' +79' ?+*B9;?' *89' ?0' 47*;:9=' ' *;=' ;' @ ' =0@> 9' 0/98?# /7989' +79' 4*8C9 ?' * ?0' 7*-9' >940B9' C9+* 0 =' G /89829!9&5 3!9 ,#8'5 3&' ' ;' 3&/' 2'8$#:3!#/' G :' HO I# C*8 #' + 4@ *8 A# +79' ?@449?? -9' ?+9C?' >A' /7 47' *,' ?+*B9;' >940B9?' *' C9+*' ' *89' 0>- 0@?' ?0B9+ B9?' +79' *;+798' 9; *8:9?# *;=' 0;9' 49 ' 89==9;?' GN I' 08' >0+7' 49 ?' 9;:+79;' G I' 08' +79' 40;;94+ -9' 89==9;?' *;=' = *+9?# *;=' >9*8?' 0;' 0;9' ? =9' *' A9 0/' ?4* 9# /7 47' 894* ?' *;' *;+798 49 ' G # MI' 0 +9;9?+' +79' ?+*B9;' 95C*;=?' *+' 0;49' ;+0' *' 40BC 9+9' C9+* ' G I' ?0B9+ B9?' GH I' +79' C805 B +A' 0 ' +79' 4* A5' ?99B?' +0' ; @9;49' +7 ?' C9+* ' *' :899;' B =8 >' +8*-98?9?' +?' 40 0@89=' > *=9# *;=' +' >940B9?' ?9C* ;9' ;' +79' B == 9# C9+* ;9' 0;' +79' ? =9?' ;' +79')39,!' 3!9 ,#8' G :' HONI# +79' *;+798' ?/9 ?# *;=' 08B?' *' 700=9=' C9+* ' *;=' ?0B9E + B9?# >@+' B089' ?9 =0B# +79' *B9;+' = *+9?' ;+0' *' *+' C9+*

HO ' 00=94+' 0@B>;9# ?70/ ;;' 0;9' ?98 9?' 0+' *7+79.' +8*;? 0+B9=# *;=' 40 ;9T\+9=' +0:9+798

79' 0@8+7' /708' 08' .#&$#!' ?' +79' 49;+8*' ' +?' C0?+0;' *;=' +79' C89??@89' 0' +79' ?@8 .0@;=;:' 08:*;?' ; @9;49' +?' 08B' ;' B*;A' /*A?# *;=' 79;49' =?:@?9' +?' 08:;' ' >@+' /79;' +79' 4*8C9 *80' 9*-9?' *89' 899' G 3!9 ,#8'5 :' H I# 3$?0 +*8A' G '/5 :' N\ 5 +79 8' 0 *490@?' ;*+@89' ?' 0>- 0@?# *;=' 9?C94 * A' ;' *;0B* 0@?' 4*?9?# *?' +79' 0 0/;:

;0B* 9? 1 ;' +79' 3!9 ,#8' G :' HOOI' +79' -9' 4*8C9 *8A' 9*-9?' GC 4I' ;?+9*= 0' >9;:' 0=9=' +0' 08B' *' C80+94+;:' 4*- +A' 08' +79' ' A0@;:' ?99=# 7*-9' >99;' 0@;=' +0' 89B* ;' *+# *;=' >9*8' * 0;:' +79 8' 9=:9?' G3' .!/2'8$/&' ?B* ' 9* >@=? GC 0I' +79?9' >@=?# /7 47';08E B* A' /0@ =' 7*-9' 40;+* ;9=' *;'9B>8A0# /989' B0?+ A' 0C9;' ?0B9' 9/# +70@:7' 9BC+A# /989' 4@8-9=# *;=' ?@:: 9?+ -9' 0' +79 8';08B* ' @;4+ 0;' 98+ E <*+ 0;' 7*=' ;0' +*F9;' C *49# 5 743' 6.0' 4* 0/6, ,M03' -6,+:7' O7-' /034503' 62' 7' -:7 ' + 7*H 34 7/' .073' G +I# 60/:,*76,*+' 6.0' :,3/,;' 2 ' 6.0' 57/10 7/=

(B

8 ' ?

HO ' %0@> 9' 7988A 0/98' 4, +' -98+ 4* A' ' ?# 0C$?' ' ' 4# 4*8C9 *8A' 9*-9?' ' B# B9= *;';98-9' 08' ?+A 9

]'00' 0;?+80@?' 0@B>;e

9* ;' +79' =0@> 9' %'"'"'-' G :' HO I# +79' 899' 9=:9?' 0' ' +79' +/0' 4*8C9 ?' GC 4I' >9*8' ;0' >@=?# *;=' +79 8' > *=9' 08' 0-*8A# /7 47' * +0:9+798' 89?9B> 9?' *;' 08= ;*8A' 9* # 0=9=# * 0;:' +?' B =8 >' G BI# ?' 9;:+79;9=' ;+0' *' ?+A 9 F9' ;94F# +98B ;*+9=' >A' *' ?C0;:A' +@>984 9' 89C89?9;+;:' +79' ?+ :B*

79 !.#8 $"/<,'""- G : HOQI C89?9;+?* 4@8 0@? B9+*B08C70? ? 0 +79 08* /70 ? 79 4* A5 G?I ? ;08B* # +79 -9 0@+98 9*-9?* *89 > =# *;= *44@8*+9 A 89C89?9;+ +79 ?+ C@ 9? 0 +79 9*-9? D 9 C9+* ? . *CC9*8 *? :899;# ?+80;: A -9 ;9=# ;9*8 A ?9?? 9 9*-9?

HOQ C;9 +8*/>988A H C;9 +8*/>9;A H H C;9 +8*/>988A H C;9 +8*/ IO88A H M C;9 +8*/>988A
899;C9+* GB*: I 899;?+*B9;? *8C9 GB*: I *8 (.V/ +7B + 79 0-*8A GB@: I

/ +7 -9 *4@+9 4 *+9 0>9? G : H I 79 +/9;+A ?+*B9;? G : HOQ# + *89 *88*;:9= ; 0@8 /708 ?# *;= *89 * ?0 95C*;=9= ;+0 :899;C9+ 0 9= ? BC 9 08 +7899 0>9= 9*-9? G : H HI B0?+ 0 +79B >9*8 0; 9*47 ? =9 0 +79 >*?9 0 +79 >*=9 * A9 0/>0?? . & +& 89C89?9;+ ; : *?@CC89??9= *;+798 79 4*8C9 ? G : HOQ# 4I# /747 7*-9 * ?0 89-98+9=+0 9*-9?# *89 *88*;:9= ?C 8* A 0; *8949C+*4 9# /747 >940B9? ?@44@ 9;+*?+79 :899; 0/98 :80/? 79 4*8C9 *8A 9* G : H 4I# +79 ;+9:@B9;+ 0 +79 ?99= . % +& 4* 9= +79 0-@ *8A 9* # *;= +79 9B>8A0 *89 +8*;? 08B9= +780@:7 9549?? -9 =9-9 0CB9;+ ;+0 0-98 *CC ;: 9*-9? +79?9# +79 0@+98 9* # 0 +9; > = GC 4I# 89C89?9;+? +79 0-*8A +? >*?9 ?79*+7? +79 ;;98 9* G : H M# % +& /747 ?70@ = 7*-9 08B9= +79 0@+98 ;+9:@B9;+ 0 +79 0-@ 9 +79 ;;98 >*?9 0 +7 ? 0-@ *8A 9* GH M# % + ? *C0 ;+9= ?700+ . + +7 ? ? +79 9B>8A0# 0 /747 * -98+ 4* ? ?94+ 0; G : H I ?70/? 8@= B9;+*8A 9*-9? 08 40+A 9=0; ? G40I *;= *C @B@ 9 G0I ; +7 ? 4@8 0@? 0/98# *; 9549?? -9 ?@CC A 0 ;@+8 + 0; 7*? =98*;:9= +79 89C80=@4+ -9 08:*;?# *;= +79 /708 ?# /747 ?70@ = 7*-9 >99; B0= 9= ;

H C;9 +8*/>988A H ;B95 *8C9 0/98 />> *=0@> 9 4@+ -98+ 4* A# 4* A40 = K98*;+7 H N A 0/98 / +7 *=0@> 9 C9+* 0 = C98*;+7 0/98 / +7 *=0@> 9 C9+@ 0 = C98*;+7# @8; ?79= / +7 *4@C ? B ; @+ :*40 80 *

?@>?98- 9;49 +0 +79 @;4+ 0; 0 89C80=@4+ 0;# 7*-9 C89?98-9= +79 8 08 : ;* 08B 0 :899; 9*-9? @47 *B9+*B08C70? ? 0 * +79 08* 08:*;? ;+0 08= ;*8A 9*-9? ? ;0 @;40BB0; +780@:70@+ +79 "9:9+*> 9 (;:=0B + ? 4* 9= 2%!3"/8$%-

;' #823 .!'$'' :!3<'"' G:!' #823 :!'$9&' ?' 0;9' ;' /7 4 ' 4* A5# 08' 40 0 *# 08' *;=8094 @B# 08' C ?+ ' ?' *>?9;+' 79' ? ; : 9' 08' =0@> 9' /7 708 ' /7 47' ?@880@;=?' +79' *;=8494 @B' *;=' C ?+ ' G08' 9??9;+ *' 08:*;?' 0 ' +79' 0/98!' ?' 4* 9=' *' .'"#/8$%' B.'"#/8$%#9 >F' .'"#738#9 ' ,

')#2%!/ -)'39&' 0/98'G !')#2+/ -)'9&' ?'0;9' / +7' *'=0@> 9' C98 ! 7+7# 9' / +7' +/0' /708 ?# 4* A5# *D =' 4080 *' G /!!:!3<'"5 :' OI" /747' *89' ? B *8' ;' 08B' 08' 40 0@8' 08' ;0+' & 79;' >0+7' /708 ?' *89' :899;' *;=' 4* A5= F9' D 9 '?5 :' H I# +79' C98 *;+7' ?' 4* 9=' 4* A40 =# 4* A4 ;9# 08' 0 *490@?' D.':3!#/2'9 5 *;=' /79;' >0+7' *89' 40 0@89=' 08' 4080 * F9' D #!-5 :' H NI# +' ?' '/#!')'.'$/!3#)' D: .'$/!3#)'$$ ' ;' /"K 2#&&9&' G :' OI' +7989' ?' *' 8 ;:9=' 4@C' / +7 ;' +79' C9+* 0 =' C98 *;+7# /747' ?' :89*+ A' =9-9 0C9=' ;' +79' 40B B0;' ?C94 9?' 7989' :@89=# >@+' ?' B@47' 9??' ?0' ;' +79' /"2#&&9&' .3'$#29&5 *;=' 0+798' ?C94 9?' ;' +79?9' *++98' +' ?' 4@+' ;+0' ? 5' 0>9?# * +98;*+ ;:' / +7' +70?9' 0 ' +79' =0@> 9' C98 *;+7# /79;49' ?0B9' >0+*; ?+?' 7*-9' 40;4 @=9=' +7*+' +' 89C89?9;+?' +/0' 40; @9;+' /708 ?' *;* 0:0@?' +0' +79' 0@+98' 0;9?' +798?' 89:*8=' +7 ?' 4@C' 0 ' /"2#&&9&' *?' 08B9=' >A' *+98*' 95C*;? 0;' 0 ' +79' 40; @9;+' *B9;+?' ;' "2%#&' G :' H I' +79' C9+* 0 =

H ' 8470?' DC 0/98' / +7' *'=0@> 9' 9:@ *8'C9>* =' C9 *;+7

H VI' 79;0CO= @B' 0;0C98 *;+79=' 0/98

HQH (*F9=' 0/98

HQ ' 8?+0 047 *' A6O*0C98 *;+79=' 0/98' / +7' 889:+ +8' C98 *C+7

H` ' *895' 0/9A

C98 *;+7' 7*?' ? 5' @;9R@* # ?C89*= ;:' 0>9?# 0 ' /747' +79' @CC98' *89' 9894+' *;=' 08B' +79' %33)' D7/!'/ ' +79' 0/9?+' ?' = *+9=# -*8 *> 9' ;' ?7*C9# *;=' * 9=' +79' .' D!/%'!!9 É +' ?' ?0B9+ B9?' C80=@49=' ;+0' *' &/25' 08' &.9'' D2/!229"

' B0;047 *BA=90@?' C98 *;+7' D.' &# .!'?' ?' @?@* A' 40;'' ? =989=' *?' *' 4* A5# *;=' +79' 0/98' ?' ?* =' +0' >9' /.'$/!3##& D:!5 /.'$/!9& ' +' B*A' %':3!#/2S39&' D %'83.3)#9 5 :' H QI# 08' .'$/!3#)' D 8' 38'5 :' M I# 08'#"'' '79!/'' D "#&$3!32%#/5 :' HQ I ;'/2%!/ -)'39&' 0/98' D:!' /2%!/ -)'9&' 7*?';9 +798' 4* A5' ;08' 4080 *'' +' B*A' >9' C80+94+9=' >A' 0;9' 08' B089' >8*4+?' D /"'?5 :?' HQ #HQMI# 08'* +0:9+798'@;C80+94+9=' D:!' 89)9&' &%5 :' HQHI ' %'" /.%"3)#$'' 0/98' D:!' %'" /.%"3)#$9&5 I' C0??9??9?' >0+7' *;=8094 @B' *;=' C ?+ ' D /!!:!3<'"5 :' O I +79' 0/98' ?' /!'' D:!' /&29!9&5 7' ' /79;' +' 7*?' *;=8494 @B' / +70@+' C ?+ ' D /"'?5 :' HQ I' 1 ;C'A /!'' D:!' :2' #8'9&5 :' I# /79;' +' 7*?' C ?+ ' HQM' 895' Q' 0/98 / +70@+' *;=8094 @B' D /"'?5 :' HQMI' 1*;=' 8'9$'" 08' &$'"#!'' D:!' &$'"#!#&5 8'9$'" 5 /79;' +' 7*?' ;9 +798' *;=8094 @B' ;08' C ?+ ' G0@+98' 0/98?' 0 ' +79' 3"8:!3<'"5 :' HQ I' 1

383'2#39&D ! 383#) 5 / 79;+79B* 9* ;= 9B* 9 0 / 98?*89 0;+79?*B9C *;+B /"'?5
:?HQ # HQM" /F5 :H N" /J'!>89$5 :HQ # HQ %#&5 HQ $'("9 5 :?HQN#

HQ 08; 0 / 98
9@+98 0 / 98

HQ 8;+;
0 / 98

HQ *<9;@8
0;0?4 0@? 0 / 98?

HQ 8@B
0;094 0@? 0 / 98?C*E
= 5 >9*8 ;: >9 0 / +>9
C ?+ 480@? 0 / 98?#
*>089+79?+*B ; 980;?#
8 =+98B ;+9=>A*'4 @>
?7*C9=C80 0;*+ 0;

* 9 4;8* ?
Q 0 / 98

HQO# HQ I'1)#3')39&G:!)#3#'# 5 / 79;0;?9C*8*+9C *;+?G #!!3<5 :?HQQ# 374&
+'"29"-5 :?H# I'1.3!-7/ 39&B!.3!-7/ # 5 / 79;798B*C780= +9 0 / 98?
044@8*B0;:?+79B* 9 08 9B* 9D '!!#$3"- 79 :9;98* +98B)#2!#$#3;$& G)#)# $&
?*CC 9=+0 B0;094 0@?# = 4;4 0@?# *;=C0 A:*B0@? 0 / 98?

3

79 2/!-?D2/!-? ? +79 / 708 C *49=0@+? =9 0 +79 4080 * *;=*;=8494 @B +
? @?@* A &# .!" D /!!:!3<'" 5 ?0 9+ B9?)39,!" D+ /783!#/5 "3!!#9& # +? 40BC0;9;+
9*-9?*89+98B9= &'./!&D&'./!/ +#&.3!-
&'./!39& G4.3!-&'./!9& 5 / 79; +?9C* ? *89
/ 70 A?9C*8*+9D /!!:!3<'"5 : 3!9 K
,#8'5 : HI" 7/ 3 08 383>&'./!39& D2 7/ 3
08 383>&'./!9& 5 / 79; +?9C* ? 407989 B089
08 9??

M BC98;9 -9 C*8+ +9 * A5 *;=C ?+ -9 =4*A5 7 9= B 2

B0;0?9C* 0@?4* A5 ?./"$#$'D2 ./"$#9& 5
/ 9*+79 ?9C* ? *89@; 9=*+4+79 >*?9 0; A'
*;=+B*A>9 %#>$"#> 9!$#>./"$#$'D # .'"8'!5
: MI'S +? %#>$"#> 9!$#>:!)5 / 79;+79?9C* ? 407989 *>0@+7* /*A@C D 3 :"'-5

"-$%"2'/5 ,+ I' 1 +5 7% #>5 $8>5 9! >)'8#/$'5 O85 >33%')5 G4 5)'8$/$9&]5 / 79;5+795 ?9C* 75 *895 @; +9=5 ;9*8 A5 +05 +795 +0C5 G -2%8#&5 :5 I
;5 +795 B0;0?9C* 0;75 4* A5# +795 40;;94+9=5 CO8+ 0;5 0 5 +795 ?9C* 75 75 +795 $9,'5
G$9,9& 5 +795 899 5 CO8+ 0;5+795 !# ,5 G!# ,9& 5 *;=5+795 CO ;+5 0 5@C 0;5
0 5+79?9 5+795 $%"3/$ G:/9?
9C* 75 *895 ?0B9+ B97 C80 0;:9=5 ;+05 /..'8)/7'&*+5+795 >*?9#
*75 ;5 +-3&9"9& G :5 NI5 *;=5+')$ '/&'5
G :5 I# / 7989 +795 -9 ?9C* 75 *A9
*++*479=5 +05 +795 8949C+*4 9 >A5 +79 8

N' AO? B ? '
0 / 98 / +7 *CC9;= 4@ *+9
4* A5

6L' *BC*;@ *'
CC9;= 4@ *+9 4* A5

' *B @8*'
889:@ *8 4* A5

Q' *8 9C@8
* A5 C80 0;:9=5 ;+05 *'70 0/'
708;

49;+89?5 ;5 ?0B9 / ./89!/& G :5 OI5 +795 *CC9;=*:9 75 08B9=5 >A5+795 @; 0;5 0 5
+/05 0>9?5>9 0;: ;:5+05+/05 40;+ :@0@?5?9C* ?# >9+/99;5 / 7 475 +5 75 C *49=
795 4* A5 "'79!/'6 G2 4"'79!/"#&5 <79/!#& 5 / 79;5 +75 ?9C* ?# / 79+7985 9R@* 5 085
@;9R@* # 08B5 *5 ?AB B9+8 4* 5 / 7085 G /!!:!3<'"5 :5 6 # .'"8'!5 :5 M6 "-$%"2'/5
:5 6 -2%8#&5 :5 I 6 +5 75 #""'79#/'6 G4 5 #""'79!/"#&5 #8<M9/+& 5 / 79;5+795 / 7085
75@;?AB B9+8 4* 5 G / #9 5 :5 I5 ;5+795 238#$'5+795 @CC985 ?9C* 5 08B?5 *5 700=5 '
;5 /"%&.9'6 G :5 QI5 +5 75 C80 0;:9=5 ;+05 *5 70 0/'7085;'085 &.9"5 ;5+795 "3.2'3!9 5
G :5 H I# +795 ?C@8 75 :3" ')5>A5+795 @; +9=5 *;=5 9;:+79;9=5+7899 @CC985 ?9C* ?5 ;5
'!/"738#9 5+795 @CC985 ?9C* 5 75 C80=@49=5 =0/;/*8=?# *;=5 08B?5 *5 +@>95 *=7989;+5
+05+795 C9= 49 5 ;5 29$'!!/"#/5+795 -9 ?9C* 75 08B5 +/05 C?E 0 5 / 7 475 +795 @CC98

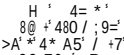
HH' 4@+9 *8 *'
0@;:4* A5

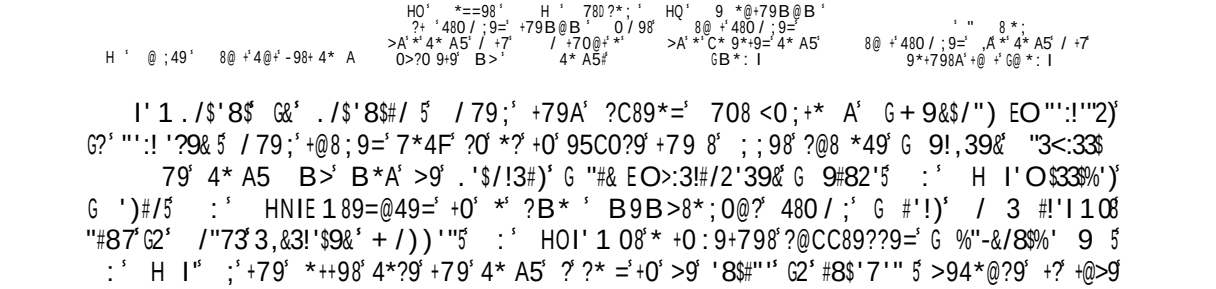
H ' 4@+9 *8 *#
C9 4* A5

H ' 9;>*;9'
8490 *+9 4* A5

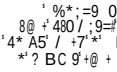
H ' & ;+98 7988A'
" 9? 4@ *8 4* A5

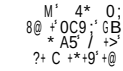
C80+@>98*;+5 0;9 G :5 H H I# * +985 0/98;:# 08B?5 *5 ?7 9 =5 +05 +795 0-*8 9?# *847 ;:5
0-985+79B5 ?05 *?5 40BC 9+9 A5 +05 9;-9 0C5 +79B# *;=5 B99+5 +795 0/985 C5 G :5 H I
795 +@>95 0 5+795 B0;0?9C* 0@?5 4* A5 B*W5 795 2-!#8)"#2 G2-!#8)"#29&5 #8%5 :5 NI'5
1'<.>&%/.')5G29.9!#:3" #&5 "/87' E1 2!9,>&%/.')5G2!/(/$/52!/(#:3" #&5 #!'8'5 " '"#/ E
A,!/))'"-5 G('&#29!3&9& 5 / 79;5?/0 9;5 F9 *5 > *==985 G #8$'6 %'""-5 :5 H I5D 1 $9">5
%#8/$# G!9",#8/$9& 5 / 79;5 +5 89?9B> 9?5 *5 +0C5 085 C9*85 G !/2 2 !)'"5'a1,'!!>&%/.')5

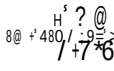




I'1./$'8$ G&' ./$'8$#/ 5 /79;' +79A' ?C89*=' 708 <0;+* A' G+9&$/") EO"':!"'2)'
G?' "':! '?9& 5 /79;' +@8;9=' 7*4F' ?0' *?' +0' 95C0?9' +79 8' ;;98' ?@8 *49' G 9!,39&' "3<:33$
79' 4* A5 B>' B*A' >9' ./$/!3#)' G "#& EO>:3!#/2'39&' G 9#82'5 :' H I'O$33%')'
G ')#/5 :' HNIE189=@49=' +0' *' ?B* ' B9B>8*;0@?' 480 / ;' G #'!)' / 3 #!'I108
"#87'G2' /"73'3,&3!'$9&' + /))'"5 :' HOI'1 08'* +0:9+798'?@CC89??9=' G %"-&/8$%' 9 5
:' H I" ;'+79' *++98'4*?9'+79'4* A5' ?' ?* ='+0' >9' '8$#"'' G2' #8$'7'" 5 >94*@?9' +?' +@>9'
?' 40;? =989=' +0' 79' 40; @9;+' / +7' +79' 0-*8A# *;=' @;= - =9=
79' 4* A5 B>' B*A' >9' 89=@49=' +0' &2/!'&
G&M9/ /" 08' ./!'2'5 '!#/8#%' 9 5 :' HQI" 08'+0'
8*= *+ ;:' >8 ?+ 9?' 08' 7* 8?# 4* 9=' *' ./../9&' G./.K
.9& ' @47'*' C*CC@?' B*A'%" '.!9 3&'" G..!9 349#&'
/79;' 9*47' 0' +?' 7* 8?' ?' 40-989=
/ +7' 0;:' ?940;=*8A' 7* 8?' 08' >*8>?
- ?>9' +0' +79' ;*F9=' 9A9' G @'
!'"#/85 :' " /!&#:-5 :' HI"
O&# M!" G. &# .#!'?' / 79;'+79 * 8?'
08' >8 ?+ 9?' *89' ?B00+7' *;=' ? FA'
G1/8)'!#385 :' I
79'C*CC@?#/79+798'? BC 9'08
C@B0?9#' ?9??' 9' /79;
+79' 7* 8?' *89' ;?98+9=' = 894+ A' 0;'
+79' +0C' 0' +79' 0-*8A' G 3"8:!3<'"5 6/!'"#/85 :' I" &$#.#$/$'" G." &$(.#$/$9& 5 /79;'
+79' 9* A5 +@>9' ?' C80 0;:9=' ;+0' *' ? 9;=98' ;94F' *>0-9' +79' 0-*8A' G1/8)'!#385 :'
" /!&#:-5 :' H" 2/,#39&5 :' MI#







79 4* A5 ?)'2#)939& G4)'2#)99& 5 / 79; + * ? / +7 +79 4080 * * +98 0 / 98 ; :
G /!!:!3<'"5 : I' 1U /)9239& 08 :97/2#39& G4 2/)929& 5 / 79; + * ? *? ?00;# *?

OCCA
O@; : 0 / 98
=@40@?'4 A5

Q 4*> O@?
; -O @489= 8@ +
G; *:

6 * O /
98? ?+9; 4* A5

O * O /
* A4@ 9 O
/ 708 9= >8*4+?

+8* / >988A
O / 98 / +7' *' 4* A4@ 9
O '?+ C@ 9?

+79 0 / 98 >9: ;? +0 95C*; = G 3. .-5 : EO. '"&#&$'8$ G2 .<"&#&$'8& 5 / 79; +
89B* ;? * +98 0 / 98 ; : G # .'"8'!5 : MI' 1 B*849?49; G /@"2'&2' 5 / 79; +
/ +798? *; = =8 9? @C# *; = 89B* ;? *++*479= +0 +79 8@ + G+ /!!3<I' 1 *4489?49; +
G4 /22"'&2'8& 5 / 79; + 40; + ; @9? +0 :80 / ' * +98 0 / 98 ; : G #8$'" %'""-5 : H I
2 * A4@ 9? : *; = * A4 08B ; -0 @489? 1 79 4* A5 ? ?0B9+ B9? *490BC*; 9= >A
/ 708 9= 0 , 0CC0? +9 >8*4+?# ? B@ *+ ; : * ; *449??08A 4* A5 +0 +79?9 7* -9 >99; : -9;
+79 ; *B9 0 4* A4@ 9 08 0@+98 4* A5 G2/!-29!9& 79 ; F G : NI 7*? * 24* A4@ 9.

% / / ' ' / /

0 ' 0@8' >8*4+?' ;' 0CC0? +9' C* 8?' 79' * 0 /' G :?' HH 5' OI 7*?#' 0@+? =9' +79' -9 =' 4* A5#' *' 4* A4@ 9' 0 '+7899' >8*4+?#' *;='+79' *8?7' * 0 /' 0;9' 0 '? 5' +0' ;' ;9' >8*4+?
79' -9' :899;' >0= 9?' >9;9*+7' *;=' *=7989;+'
+0' +79' 4g A5' 0 '+79' +8* / >9 8A' G :' I#' *;=' / 47'
* +98;*+9' / +7' +79' -9' ?9C* ?#' *89' ;0+' *' 4* A4@ 9'
0 ' >8*4+?' >@+' 0 ' C* 8?' 0 ' ?+ C@ 9?' >9 0;: ;:' +0' + 9'
?9C* ?' 79' C ++9=' 4@C' / +7' 8 ;:9=' B*8: ;?' /7 47' #
9;4 0?9?' 9*47' 0 / 98' 0 ' +79' 2/%#39&' G :?' M#' Q!'
B*A' >9' 40;? =989=' *' 4* A4@ 9
* A4@ 9?' *89' +8@9' 0;9 0 / 989=' ;-0 @489?#' *;*E
0:0@?' +0' +79' B*;A 0 / 989=' ;-0 @489?' 0 ' 79*=?'
*;=' @B>9 ?
79' 0 0 / ;:' *89' * ?0' 0;9 0 / 989=' ;-0 @489?)
+79' +7899' 0 *490@?' 4@+' >8*4+?' 3:' 8' 38'' G :' M I#
C *49=' *8' >9 0 /' +79'
4* A5' 1 +79' +7899' 9;+ 89'
>8*4+?' 0 ' !'.8$#28' G :'
MHI#' * ?0' C *49=' D@?+'
>9 0 /' +79' 4* A5' 1 +79'
B*;A' 0 *490@?' >8*4+?
0 '+79' #8$''' '!!',3''
D' :' MH' ,#&I#' C *49=

$' @-

MH ' & ;+98' 9 9>O89 '
* A4 O8B' ;-0 @989' ;9*8'+79

MH' 9C*+ 4*
* A4 O8B' ;-0 @489' ;9*8'+ 9 0 / 9 ,

8@ +' / + '*' ,@A4@C

M ' @C7O8> *'
* A4 O8B'
B*;A 0 / 989+' 4@C

T((' , ;0/6' /4,6-'8,6.' 2 ,75024-'541

* B0?+ ;' 40;+*4+ / +7' +79' 4 * A5+79' 29.' G29.9!/ ' 0 '+79' *4 8;' G :' M I# / 7 47' ?' 40BC0?9=' 0 '?B* ' B>8 4*+9=' ?4* 9?' 1+79' 0 *490;?' 4*C# / +7' 4@+' B*8: ;?# 0 '+79' #!,'"$ G :' MMI' 79' C8 4F A' 4@C' 0 '+79' %'&89 G :' M I# *;=' +79' 4* A4 O8B' 4@C' 0 ' 9.%3",#/' G :' M I# 0; A' = 98' 80B'+79' C8949= ;:' ;'>9 ;: B*;A 0/989=

79' 23"3!!/' G23"3!!/' ?' +79' /7O8' ;95+' / +7 ;' +79' 4* A5" +' ?' @?@* A' &# .!'' G 3&'5 ?0B9+ B9?')39,!'5 9' 40BC0?9=' '?9-98*' /7O8?' G+/783!#/5 :- .% /'E +?' 9*-9?' *89' .'$/!&' G.'$/!/

9+* ?' *89' @?@* A' 23!39"')5 +7*+' ?#' ;0+' :899C' F9' +79' G@?@* A' 0 *490@?I' ?9C* ?" ?0B9' C *;+?# 70/9-98' G 92F$%3"85 6#8'5 /"2#&&9&' (#"#)#:!3"9& 5 7*-9' :899;' C9+* ?# /7 9' 0+798?' G '!!',3"9&5 238#$'5 /"F&.9"5 3!9 ,#8'5 '88'!' 7*-9' 40 0@89=' O8' C9+* 0 =' ?9C* ?

*' 6.0' .3!-.'$/!39&' 23"3!!/' D5' .3!-.'$/!/5)#/!-.'$/!/' 6.0' 1067 -' 7/0' 0*6,/0 =' -017/760' /2:' 075.' 26.0/' D /!!:!3<'"5 $"/<,'""-5 3!9 ,#8' E1,*' 6.0' 383.'$/!39&' 2/' 7/ 3.'$/!39&' 52/2 7' D5' 383>' 7/ 3>.'$/!/' 6.0' 07?0-' 52.0/0' :2/0' /' 0--' -2' 7-' 62' 2/:' 7' 52/2 7' 2 '7' -,*+ 0' 1,050

79' 4080 *' ?' "'79!/'" G4' "'79!/"#& 5 /79;' +?' C9+* ?# /79+798' 899' O8' @; +9=# *89' 9R@* # *;=' O8B' *' ?ABB9+8 4* ' /7O8 " #""'79!/'" D5' #""'79!/"#& 5 /79;'+79'89-98?9' ' 4080 *' B*A'>9' O8B9=' 0 '@;9R@*' = - ?0;?# *;=' A9+' 79' 89:@ *8" +7 ?' ?' /79;' +79' C9+* ?' *89' * +98;*+9 A' *8:9' *;=' ?B* # +79' ?B* ' >9 ;:' * ' * F9' *;=' +79' *8:9' * ' * F9" O8' /79;' +?' = - ?0;?' *89' 0> R@9# >@+' * ' * F9# +79' /70 9' 4080 *# >9 ;:' ?+ ' ?ABB9+8 4* ' G '"#<#8F!'5 :' O I

0 AC9+* 0@?' O80 *? 1 79' C9+* ?' *89' 4 * /9=' GC' 9879#'<!/$/' 5 /79;'+79' >80*=' CK*8#' O8' I# ,' G!/ #8/5 :' Q5% +&' ?' ;*880/9=' *+' +79' >*?9' ;+0' *' C9+ 0 9' * 9=' +79' 2!/<

MO' *;@;4@ @?' 9+* M ' * >988A' 9+* Q' A47;?' 9+*

G9879#&5 /!!:!3<'"5 :' Q'' #8F5 :' MNI" +79' C9+* ?' 0 '+79' 3&" *;=' /89829!9& G :' MOI' *89' ?70B+ A' 4 * /9=" +70?9' 0 '+79' %#!/)'!.%9&' *;=' "/87" *89' &'&&#!'

79' 4 * /' 0 '+79' C9+* ' ?' 8'2$/"#:'"3A#& G9' 8'2$/"#:'" 5 /79;' +' >9*8?' *' 70;9A' ?9489+ ;:' : *;=' G /89829!9&5 :' MOI" +7 ?' : *;=' B*A' >9' C80+94+9=' >A' *' ?4* 9' G :' MOI# O8' ;*F9=' G /",'""-5 :' M I" *;=' +79' 4 * /' +?9 ' ?' 8/F')' G9' 89)9& 5 /79;' +' >9*8?' ;9 +798' : *;=' ;O8' ?4* 9' G /!!:!3<'"5 :' Q'' #8F5 :' MNI" +79' 4 * /' ?' <#87')' G9' /!/$9& 5 /79;' +' >9*8?' *' 0;: +@= ;* ' B9B>8*;9' 0;' +?' ;;98' ?@8 *49' G 3&" / .#38 ' ++ 9' C +?' G:3"8#2'&' *89' 0 +9;' 0@;=' *+' +79' C0 ;+' 0 'D@;4+ 0;' 0 '+79' 4 * /

G4 "3&/2'/ 5 /79;' 0 ' -9 ?C89*= ;:# ?7O8+ A 0 * /9=K 08 ?9?? 9 C9+* ? G 3&'5 $"/<,'""-5
:' I'12/"-3.%-!!/2' 9& G4 2/"-3.*-!!2/ 5 /79;' 0 ' -9 4 */9=' C9+* ? G -2%8#&A
:?' MQ# I' #
79 889:@ *8 C0 AC9+* 0@? 4080 *' ? ./.#!#38/2'39& G4 ./.#!#38/2'/5 -$#& 5
:?' M# I# /79;' 40BC0?9=' 0 ' -9 C9+* ?# 0 ' /7 47 +79 @CC98 8 &$/8)/")

' N# +?@ ' 9+/;:

' +8*/>988A ')6' A+?@?' ' A+?@?' O' A+?@?'
O/98 O/98 ;'C8O 9 8C;+' "9/'O' O-'98 9+* ? O8B;:'+ 9F99

G('?#!!9 5 :' I' ?C *49=';95+ +0 +79 *5 ?#*;=' 9;4 0?9? +79 0@8 0+798? ;' 7@='D
0 +79?9 +79 +/0 *+98*' <#87& G/!''5 :' NI' 40-98 +79 +/0 0/98# /7 47 *89
40;+:@0@?#*;=' 0 +9;' *=7989 >A +79 8 0/98 B*8:;?#*;=' +0:9+798 08B +79 ''
G4*8B*# :' OI
+798 889:@ *8 408C *?*89 4* 9=' /83 /!39& G4 /83 /!/' 238#$'5 '!/"73")9 5
'/"$&'/&'5 8
0;0C9+* 0@? 080 !?1 ;' +79?9# +79 $9,'' 40;?? +? 0 ' +79 @; +9=' C08+ 0;? 0 '
+79 C9+* ?# +79 !# ,' ?' +79 @CC98 08 899 C08+ 0;# +79 $%"3/$ G:/9?' ?' +79 +0C 0 ' +79
+@>9# *;=' ?' @?@* A 89=@49=' +0 *' 4 84@ *8 0C9;;:# >@+ ?' ?0B9+ B9?' 9;:+79;9='
08 = *+9=' G 3 :"'-5 :' N I' +' B@?+' >9 >08;9' ;' B ;=' + *+' +79 +98B' !# ,5 *?

O' 9 0+80C9 ' N ' 9 0+80C9 ' NH' @ B0;*8 *' ' A40C?? ' NM' AO?O+?'
O/98 / +7' ;*F9=' O80 *' * =' 0C9;' O80 *' * =' 0O9;' O/98 / +7' >9;' +@>9' O/98 / +7' 4 0?9='
+780*+ GB*: I GB*: I GB*: I *;=' 4 0?9=' +780*+ GB*: I +780*+ GB*: I

*CC 9=' +0 +79 4080 *# 7*?' +/0 B9*; ;:?' @?9=' >0+7 +0 =9? :;*+9 +79 > *=9
0 +79 9* ' 08 C9+* # *;=' +79 899 @CC98 C08+ 0;' *>0-9 +79 +@>9 0 ' *' :*B0C9+* 0@?
4080 *
79 +780*+ ?' /..'8)#29!/$'' GP ' /.Q
.'8)#29!/$/' /79;' @8; ?79=' ;?=9 / +7#
*;=' 0 +9;' 4 0?9=' >A# -*8 0@? A 08B9='
CC9;=:9?# /7 47 0 +9;' *;?/98 +0 95E
+98;*' C +?'1 +' ?' 8/F')' GP ' 89)/' /79;'
+79?9 *89 *>?9;+' G '!#3$"3.'5 :?' Q# N I' 6 +' ?' @8; ?79=' / +7# >@+' ;0+ 4 0?9=' >A# 0;:' C9;4 ?' 0 '7* 8?' ;' 9! 38/"#/'
G :' NHI'14 0?9=' >A' ? 5'?/9 ;:?# 9*47 + CC9=' / +7 *' C9;4 ' 0 '7* 8?# *;=' *;?/08@ :

N O' AO?O+?' ' @:0??# O/98
O80 *' * =' 0C9;' GB*: I / +7'4 0?9=' +780*+ GB*: I

-9 ?4* 9?# 4O ; - ; :# *; = 08B ; :* 4O ; 4* 800 0-98 +79 +@>9# *; = *; ? / 98 ; :
+O -9 95+98 ; * C +?# ; 3 :"'- G :? N # NQI 1 @8 ; ?79 = / +7 -9 9B*8: ; *+9
?4* 9?# ; 3"/7' G : NOI' *; = >9*8 ; :* 480 / ; 0 0 ; :# ; *880 / # 4@+ ?4* 9?# ;
!'/8)'"

79 B0 ; 0C9+* 0 ; ? B> ? %#> ")$#>. /"$#$'5 / 9 ; + 9 C9+* ? 6
407989 *+ +79 8 >*?9? 0 ; A G # .'"8'!5 : OO 3"/7'5 + : NOI''

O ' *; C* * ' OH ' 98 ; +79 ' O ' 78A?* ; +79B@B ' O ' 98 / ; F 9 ' O'H ' 7 ; = / 9+ ! #
O / 98 O / 98 O / 98 / +7 +@>@ *8 4080 * O / 98 O / 98

%#> 9!$#>:#)5 / 79 ; +79A 407989 *>0@+ 7* / *A @C# *; = +79 ? ; @?9?# *? /9
7- +79 ?9 : B9 ; +?# 2*89 *4@+9 G %%/2235 / ./89!/5 : O I' 1 %#> #)$#>%#%/F5
/ 79 ; +79 ?9 : B9 ; +? *89 0>+@?9 08 80@ ; =9 = G + -3&3$#&5 :? NM#
N '5 '!#3$"3. '5 :? Q# N '5 97!3&&5 : N '6 3 :"'-5
N I' 1 33%')5 / 79 ; +79 ?9 : B9 ; +? *89 -98A ?708+ G '/$%5 :
ONI

79 89 : @ *8 B0 ; 0C9+* 0@? 4080 *5 ? $9%A)/"6 G4 $9!8)3&/ 5 / 79 ;
+79 +@>9 ? 0 ; :* ; = +79 B> 9894+ *; = 40 ; + ; @0@? / +7 + G '"#8$!#25
: OHI 79 49 ; +8* 0 / 98?# 4* 9 = :!3"'$& G:!3&/)# 5
0 %"-&298$%' 9 G : O I *; = * 9 = C *; +? / = + -0 @48*+9 79*=?# 7*-9 ?B* +@>@ *8 4080 *? @47 79*=?
89 4 9 = PV0?4Xc0?9 79A *89 #8:98)#%9!#:3" G4 #8:"#8 #>
%9!#:3" #& 5 / 79 ; +79 +@>9 ;?9 ; ? > A / =9 ; ?@C / *8=?
F9 *5 @ ; ; 9 G #8)<''):5 : OMI'O%-.32"/$'"#:3" GT %->
.32"/$2"#>:3" #& 08 > 3".%/ 5 / 79 ; +79 ?+8* : 7+ *; = 0 ; :* +@>9 *>8@C+ A +98B ; *+9?
; * *+ ?C89*= ; : B># F9 *; * ; + R@9 C*+98* G #!/25 '&&/ #8'5 '"#<#8F!'5 :

O ' *B8O@@ *'
O / 98

O "' 97!3&&5 : ' N I' 1 2/ ./89!/$"'G4'2/ ./8#)/$/ 5 / 79;' >9 ?7*C9='G /$9./89!/5 :' ONI' 1 9"2'3!)$"' D2' 9"/'3!/$/ 5 / 79;' +79' +@>9' ?'?/0 9;' ;' +79' B == 9# *;='+79' B0@+7' 40;+8*4+9=# F9' *' ?B* ' C +4798' G !/$%5 : ' ONI'

OO' BC98;9 ' 0 / 98 | O ' *B @B ' 0 / 98' ;'C8O 9 | H' O?9; *8A ' *> *+9'4080 *' / +7# @CC98' C'@ K8 :7+ | OQ' *: ;B ' 8O;+' - 9/'1O' 0 / 98 | ' * 90>=0 0;# 8O;+' - 9/'O' 0 / 98

O"3$/$"' G4' "3$/$/ 5 / 79;' +79' +@>9' ?' ?@CC89??9=# *;='+79' ?9:B9;+?' 708 <0;+* # *;='= -98:9;+' F9' +79' ?C0F9?' 0 ' *' / 799 'G # .'"8'!5 : ' OO"' 3"/7'5 : ' NOI' 1' &$'!!/$"' G4' &$'!!/$/ 5 / 79;' 8O+*+9# / +7' +79' ?9:B9;+?' -98A' *4@+9 'G /!#9 5

79,' 889:@ *8' B0;0C9+* 0@?' 4080 *' ?' +!/ #/$"' G4# !/%#/$/5 %#!/,#/$/ 5 / 79;' +79' B>' ?' 4@+' ;+0' +/0' C8 ;4 C* ' ?@C98 BC0?9='= - ? 0;?' D!#.& 5 *;='+79' +780*+' ?' 0C9;' ' +79' @CC98' C' 40;? ?+ ;:' 0 '+/0' C9+* ?# *;='+79' 0 / 98' 0 '+7899 ' 79' @CC98' C' ;*A' >9' 9;+ 89# >A' +79' 40; @9;49' 0 '+79' +/0' C9+* ?' G / #9 5 :?' O # OQ' " /!'3,)3!385 :' I" O8' ? :7+ A' ?C +' G /7'5 3&' /"-5 : ' HI' " O8' ?0' =99C A' = - =9='G '"K /8)'"5 :?' # MI' +7*+' +79' +/0' C9+* ?' ?+*;='/ =9 A' *C*8+# *;='*89' 40; @9;+' / +7' +79' 0 / 98' C' 8*+798' +7*;' / +7' 0;9' *;0+798 ' ;' +7 ?' 4*?9' +79' 4080 *' *CC9*8?' +0' 40;? ?+' 0 ' 0;9' ('>!3,')' 0 / 98' !#.' /&$!-5' +79' @CC98' C' ?' ?0B9+ B9?' / 70 A' ?@CC89??9=# O8' = ?+ ;:@ ?7*> 9' 80B +79' +@>9' 0; A' >A' *' ;0+47' G 97!'5 : ' I' 79' B = 0>9' 0 ' +79' 0 / 98' C' B*A' >9' '8$#"' " G 3&' /"-5 : ' HI' 1,#:#)' G / #9 5 : ' OQ" 97!'5 : ' I' ' 1 $"#:#)' G /!'3,)3 85 : ' I

79' .'"&38/$"' 4080 *' G4' .'"&3./$/ ' ?' *' O8B' 0 ' +79' *> *+9# / +7' +79' +780*+' 4 0?9= >A' *' C8OD94+ 0;' 0 ' +79' 0 / 98' C# 4* 9=' +79' ./!/$"' G./!/$9 " ;' B*;A' C98?0;*+9' 080 *?' +79'+@>9' ?' +@B ='*+' +79

' 98B*;=98' *4F 0' 06-98 | M' 98B*;=98' 0 / 98' ;'C8O 9 | ' @:9 *> *+9'4080 *' / +7'@CC98' C' * BO?+'O>?0 9+9 | ' ;*C=8*:0;' 0 / 98

>*?9' ;' +79' = 894+ 0;' 0 ' +79' 0 / 98' C# *;='4* 9=' 7#,,39&' G2' 7#,,3&/' 8/.)"/7385 :' I# O8' 9-9;'&.9""')' G4' 2/!2/"/$/5 #8/"#/5 : ' NI

/0 CC9='4080 *?' *89' 0 +9;' =9?48 >9=' *?' "#87'8$' G4' "#87'8& 5 >@+' +7 ?' +98B' >9;' 9R@* A' *CC 9=' +0' >0+7' +79' *> *+9' *;='C98?0;*+9' 4080 *?# +' ?' ?@C98 @0@?#

N ' %'

9' !#79!/$'' 4080 *' G4' !#79!/$/ ' 40;? ?+?' 0 ' -9' 40; @9;+' C9+* ?#' 0 ' /7 4 ' +79'
+/0' @CC98'D0 ;'*'+'+79 8' >*?9'0; A#' >@+' @; +9'* B0?+' + 80@: 0@+' +79 8' 9; :+7' / +7' +79'
+7899'0+798?#' *?' =0'+79?9' / +7'9*47'
0+798#' ?0' +7*+' +79' 4080 *' 7*?' *'
-98A' ?708+' +@>9#' *;=' *' B>' 9;E
+ 89 A' 08B9=' 0 ' *' ;9 A +00+79=

O' 78A?*;+79B@B ' ' 05: 0-9 ' ;' 0B TI&98'
' 9;+8* V+7@?' N' ;*8 * ' O/98' / +7' O/98' / +7# g' +98 9' + K89#
O/98 G B*: I O/9, :@ *+9' 4080 * *;0B* 0@?' 4080 * GB*: I

:@ 9' B %"-&/8$%' 9 5' :' OI' :@ *+9' 0/98?' *89' @?@* A' 40 94+9=' ;' *;' ;'
-0 @48*+9' 79*=#' *;=' *89' 4* 9=' &' #>:!3"'$& B&' #>:!3&29!# ' ' 79*=' G2D#.#$!#$ '
40BC0?9=' 0 ' ?9B 089+?' ?' /!!#')' &'8##>:!3&29%&'' B1/8)'!#38 E 0;9'
/ +7' +@>@ *8' 089+?' ;' +79' 49;+89#' *;=' :@ *+9' 0;9?' ;' +79' 4 8'
4@B 989 49# ?' "/-')' B2' "/)#/$9 ' %"-&/8$%' 9 5' +/"#73!)
' 0+798' 889:@ *8' B0;0C9+* 0@?' 4080 *?' *89' 40;? =989='
+0' >9' /83 /!39& G4' /83 /!/ ' ' +79?9' +79' 4080 *' 0 ' +79' 3?K
7!3('' G :' I' 89?9B> 9?' *' +7 B> 9' +79' 0/98?' 0;' +79' 4 8E
4@B 989;49' 0 ' +79' 3"8:!3<'''' G :' QI' *89' *8:9# 89:@ *8# *;=
Q ' 4*> O@?' *A' O89+' ' +70?4' 0 ' +79' 23,#39& G :' Q I' *89' * ?0' -98A' 889:@ *8
*;=' * B0?+' *> *+9'' /8)' '8$"/8$%9& G :' QHI' 7*?' *;' 889:B *8 A' 7AC048*+98 08B'
4080 *# / +7' *;' ; 98 08' ?C@8' +0' +79' +@>9

'

79' /8)"/'2#9 ' B/8)"2'2#9 ' ?' +79' ? BC 9' 08' =0@> 9' /=08# C *49=' / +7 ;' 08'
*>0-9' +79' 4080 *'' +79' 9*-9?' 40BC0? ;:' +'*89' 4* 9=' &$/ '8&' B&$/ #8/
'40BC 9+9' ?+*B9;' G :' Q I' 40;? ?+?' 0 '*' C9+ 0 9' 3''':#!/ '8$' B:#!/ '8$9 5' +*;=
*' B>' 08' /8$%''' B/8$!#'"/5 E +79' *;+798' ?' 7* -9=' -98+ 4* A' >A' *' B 9= *;' ;98-9# + 9'
2388'2$#('' B2388'2$#(9 5' 4 I' 9*47' 7* ' 40;? ?+?' 0 ' *' 2'!!' B!32#)9&5 + 08B 9=' 0 ' +/0'
-* -9?# +79'D@;4+ 0;' 0 ' /7 47' ?' B*8F9=' 95+98;* A' >A' *' @880 /' 08' &9$9''' ' 79' >*4F'
0 '+79' *;+798' *49?' +79' 4080 *# *;=' +?' *49' ?' 0CC0? +9' +79' C ?+

79' 49 @ *8' + ??@9' 0 '+79' *;+798 49 ?' ?' 08 :;* A' ?0 +#' C@ CA# *;=' 40;+ ;@0@?'
>@+' /79;' +79' *;+798' ?' B*+@89# +7 ?' + ??@9' >940B9?' = A' *;=' C0/=98A' +79' +/0'
7 ?0-' +79;' ?9C*8*+9' * 0;:' +79' ?@+@89' +79' 49 ' 0C9;?# *;=' +79' C*89;47AB*' 50 -

;0/'4* 9='.3!!'85'*89' 89*=A'+0'>9' 40;-9A9='+0'+79'?+:B*' 79'*;+798'?'8* A'
?9?? 9# 9'/+70@+' *B9;+'G "# #5 :' QMI
&79;'+79'4080 *'?'B0;0C9+* 0@?#+79_?+*B9;?'* B0?+' ;-*8 *> A'*=7989'+0'+

Q' +04F#
+*B9;

Q' 9 *=0B *
080 *'*;='*;=8494@B' *='0C9;

Q' *BC*;@*'
0/98'4@+'-98+4* A

G '!!/)388/5 :' Q I'' 1 *B0;:?+'+79' 9/' 9549C+0;?'*89' '/$%&' *;='D/ ./ $!/&
A0,+' Q I
;?98+0;'0'+79' +*B9;? 1 .,-'60/:'/0 760-'62'6.0' 12-,6,2*' 2*' 6.0' 2/7' 7G,-'
8.,5.'6.0'-67:0*-' 25541='/0 76,?0'62'6.0'26.0/'8.2/-' .0',*-0/6,2*'2'6.0'52/2 7'
7 87=-' 52,*5,3,*+' 8,6.' 6.76'2'6.0' -67:0*-',*' 6.0'-67:,*, 0/24-':2*21067 24-'
52/2 7'6.0',*-0/6,2*'2'6.0'-67:0*-':7='; 0',* 0//03' /2:'6.76'2'6.0'52/2 7' ;4-'
6.0'-67:0*-',90'6.0'52/2 7'7/0'%-.37-839&' G&$' #-.37-8/5 8.0*'6.0='32'*26'73.0/0'
62'6.0'1,-6,'2/'57 =G';46'-1/,*+' /2:'6.0' /0501675 0' ;0 28'6.0' ;7-0' 2'6.0' 1,-6,'
G /89829!9&5 :' QN'' "# "3&'5 ,+' QO EO.'"#7-839&' G&$' .'"#>'
7-8/5 8.0*',*-0/603' 2*'6.0' 57 =G'/76.0/' 7;2?0'6.0' ;7-0'2'6.0'
1,-6,' 62' 8.,5.'6.0='7/0' /0 76,?0 =' 760/7' G ."#23$5 ,+' TY&J
Ÿ / ./89!/5 ,+' Q EO'.#7-839&' G&$' '.#7-8/' O.0*'
,*-0/603' 2*'6.0' 1,-6,',6-0 'G 3"#/8)'"5 ,+' TYY'Ë
+/))'"5 ,+' V

QO' 8 B80?9
0/98'4@+'-98+4* A'GB*:I

M6' *==98'
0/98'4@+'-98+4* A

Q' K8 4O+'
C9;' 0/98

QQ' O8*;=98'
0/98'4@+'-98+4* A

79'C98:A;0@?'*;='9C:A;0@?' ;?98+0;?' >9 ;:'9*? A' 40; 0@;=9=# +79'+98B'
2/!-2#:!3"/!'G.#'2/!-2#!3"2''7*?'>99;':-9;'+0'*'C*;+?'/70?9'4080 *'G/79+798':2*2'
08'C0 A C9+* 0@?!'*;='?+*B9;?'*89' ;?98+9='0;'+79'4* A5# *;='+7 ?'/79+798'+79' 7 =G'
>9'>9 0/'+79'0-*8A'G ."#23$5 I7'HZ 5 08'*>0-9'+'G /./89!/5 :' Q '' 3"#/8)'"5
:' QQ'' +/))'"5 :#7'M I' 79'+98B'$%/!/ #:!3"/!'G.#'$%/!/ #:!3"2''7*?'>99;':-9;'
+0'C*;+?'/70?9'C0 AC9+* 0;?'4080 *'*;='?+*B9;?'*89' ;?98+9='>9 0/'+79'C ?+ # 3'
7AC0:A;0@?'*;='3"3!!# !3"/!'+0'C*;+?'/+7'*'B0;0C9+* 0@?'?+*B ; 980@?' 0+0!*'
;?98+9='>9 0/'+79'C ?+ # 08'7AC0:A;0@?'G "# "3&'5 :' QOI

;=9C9;=9;+ 0 9*47 0+798 G+'2383.&#&5 : EO 38/)'!.%39& G&$ /)'!.%/ 5
a/79;+79 *B9;+? *89 B089 08 9?? @; +9= ;*? ;: 9+@>9 G ?/!#&5 : M Q + /!!3<5

M (* ?' MH * 0/ , , H # 0+@? ;=8494 @B'6GB=C ?+ 6 MHM +# $07;?& 08+
= 494 @B*;=C ?+ ;=8494 + B'GB*: I */98 4@+-98+ 4* A

: MH -$#&9&5 : MHH EO)#/)'!.%39& GS$)#/)'!.%/ 5 /79;@; +9= ;+0 +/0
40 @B;? G 3$9&5 : MH ^EO$"#/)'!.F9& G&$ $"#/)=!.%/ 5 /79; ;+7899 >@;=9?
A3! 0& 3"$5 : HM EO.3!-/)'!.!#9& G&$.3!-/)S!.%/ 5
/79; ;?9-98* ?BC 9 08 >8*;479= >@;=9? G "/87'5 :
MH /&$3">3#!5 : MH I EO>&-87'8'&#39& G&$ &-87=9'&/ 5 /79;
+79 *@+798? 407989 G %#&$!'5 : HNI 0B9+ B9? +79 40E
79? 0; 95+9;=? +0 +79 *B9;+? * ?0 G 3,'!#/A +'! #5 :
HOI 79 ?+*B9;? *89 6 = +0 >9 7-8/8)"39& G&$ 7-8/8)"/ 5

: MH ;?+08 0 MHO 90; M 8 XV+0 047 *
0&, 0/98 ;=8494 @B'GB*: I 6 ;=8494 + B
* B'C ?+ 'GB=: I

/79; +79A *89 @; +9= +780@:70@+ +79 8 9; :+7 +0 +79 C ?+ G "2%#&5 : H "#>
&$3!32%#/5 : MH I ;+7 ?4*?9 +79A * ,9 ;949??*8 A 9C :A;0@?
79 :#!/ '8$ B *D 79
2-!#8)"#2 08 :#!#:3" G 3&' 5 08
2/.#!!/"- G %'/$5 : MM I# 08
&9%#)/$'3(/<!>&%/.')G #).5
: I# 08 *+ *;= = *+9=
+ +? >?9 G / ./89!/5 :
MHQI + ?? ?* = +0 >9 ,#> $"#>
29&.#)/$'5 /79; 08F9= *+
+79 +0C# 08 +7899 +00+79=#
a/+7 +79 ; = +00+7 *;+798 ' 4*BC*;@*' ; 0; M H' 8*B>9 ' M ' 08*6
980@? G /"!#2>38#38' : 6+ '*;='?+B9;# ?+*B9;'GB*: I' ;=8494 @B'*;='C ?+ ' ?+*B9;'GB*: I

M '# "/ ,'5 : M HI'EO/..'8)#2#)/$' /79; + 79*8? *;# *CC9;=*:9 ?@47

N H6 %

CC9;=:9? *89 0 -*8 0@? ?7*C9? *;=? <9?# * =B*A>9C80=@49=>9 089 08 >97 ;= +79 *;+798 ; 3"/7" G :M I# +79*;+798 ? %3"8')45 ; '!:>%'/! G :M MI# + ? 08F9=# U4 ; +79 +398$/#8 !-&&9 5 +79 *B9;+? 0 +79 0;: ?+*B9;? >9*8 *

M 9 9* +*B=7GB*: IX M A??@B# 0;:?+*B9;? M A??@B 708+?+*B9; N @+08*;? +*B9;GB*: I O 0A:* + ;=8*4 @8*GB*: I (TY 7 28' 644,0*D:7+F

+00+79= / ;: 0; +79 8 ;;98 *49G :M I# *;=+70?9 0 +79 ?7708+ ?+*B9;? 7*-9 *;0>0;:*CC9;=*:9*+ +79>*?9 ;80;+G :M I

;+798#1 79*;+798 ?$<3>2'!!')B/%#!329!/"#& 5 /79;+79 +/0 49 ?*89 ?9C*E 8*+9=>A*40;;94+ -9G /!!:!3<'"5 :HHI 9*C7 49 >9 ;:08 : ;* A=-=9=;+/0 >A*C*8+ +0;08C *+9 ?C8 ; : ;: 80B+79 40;;99+ -9# 0 /7 47 ;0 +8*49 89B* ;? *+ B*+@8 +A G*M9/)"#!329!/"#& 5 /79;+7 ?C*8+ +0; 89B* ;?D 9$3 9&5 :M NIEO38'^>2'!!')D/98#!329!/"#& 5 /79;+C89?9;+?0; A0;9 4*- +A G 3!-7/!/5 : O" !2%'8##!!/5 :M I" +7 ?0 +9; 7*CC9;?# 9 +798>A ?@CC89?? 0; 0;9 49 G+/!!3<5 :M QI# /79;+79 *B9;+ ? *+98* " 08>A ?? 0;0 +79 ?+*B9;G 389 ,'/ 5 :MM I# 0B9+ B9?+79*;+798 ? ?9*+9=0; * *+ 0>9=40;;94+ -9# /79; + 40;+* ;? *? B*;A 49 ? *? +7989 *89 0>9? 0 +79 40;;94+ -9G '<5 :MMHI

79*;+798 ? /)8/$"G/ /)8/$/5 /79; +? 49 ? *89 40; @9;+ / +7 +79 40;E ;99+ -9 +780@:70@+ +79 8 9;:+7 G './$#2/5 :MM I 79 40;;94+ -9 ? ?0B9+ B9? -98A?708+# 40 B94+ ;: +79 *;+798? >A * B989 C0 ;+ 79 *;+798 ?)#)- 39& G/)#)- /5 /79; +79 C0 ;+0 @; 0; 0 +79 49 ? ? *>0-9 +79 8 B == 9 G 9.%3",#/5 :MMMI 1$<3>%3"8')G/ ,#23"8#& 5 /79;# +79 C0 ;+0 +79 @; 0; >9 ;: *+ +79 >*?9 0 +79 49 ?# +79 !/$$'" *89

MM O8;>9*B +*B9;GB*: I MM 9C*+4* M M CC70 > * MM 9*+7 +*B9;GB*: I 6 0/98GB*: I +*B9;GB*: I MMN & 79*+ C F9 9+G 76: I

9894+ *;=? :7+A = -98:9G '/$%5 :MM I'1 2"92#/$'5 /79; +79 C0 ;+0 @; 0; 0 +79 49 ? ?C894 ?9 A ;+79B == 9# *;=+79 8 95+89B + 9?*89 899 G %'/$5 'MM I'1a

&/7#$$/$" G/ &/7#$$/$/ 5 / 9;+79@CC98C08+ 0;?0; A0 +79 49 ? *89 @; +9= >A +79
40;;94+ -9# *;=+79 0/98C08+ 0;? ? :7+ A = -98:9 G /!!:!3<'"5 : HH" !'/4/)':
:M I 79 *;+798 ? @?@* A3(3#)5 >@+
B*A>9 3,!3875 '!!#.$#25 7!3,3&'5 &M9/"'5 U4, +? /29$= ;+79 3"/7" G : M I# *;=
88939& ;+79 + '!38 G : MHOI
79 40;;94+ -9 ? ?0B9+ B9? =9-9 0C9=

MMN B9 MMO 98 / ;F 9# M 6:9 MQ Y 0?9B*8A M H 9*8+?9*?9
+*B9;#GB*6 I +*B9;'GB*: I +*B9;'GBh6 I +*B9;'GB*: I / 0?+*+;9;?#0;9 / +7 +?'+* 'GB*:#I M 9*;X98, +*B9;'GB*: I

+8*;?-98?9 A# / 79;+79 +/0 49 ? *89C *49= / =9 *C*8+" ;+79 # '>G : MMNI +79
*B9;+ *CC9*8? +0 79*8 +/0 @; 04@ *8 *;+798?" ;+79 '"#/(#8%!" G : MMOI# +79
49 ? *89 ?9C*8*+9 *;=+ CC9=>A *-98A+7 47 40;;94+ -9" ;+79 /7" G : MM I +79
0;;94+ A9 ? :89*+ A C80=@49=# 08B ;:*>9;+ *8B# 0;:98 +7*;+79 *B9;+# *;=
>9*8 ;: *49 *+ 9 +798 95+89B +A A 0 +79?9 49 ? 0;9 *0;9 40;+* ;? C0!9;# +79
0+798 @?@* A9; *8:9 ;+0 *C9+* 0 =?4* 9" ;+79 3&' /"- G : MQI +79?940;=
49 40BC 9+9 A = ?*CC9*8?
79 *;+798 ? 0 +9; /..'8)# !/$' ;+79 '/$% G : MM I# +79 *CC9;=*:9?

" +908 M O *B @B M A8+9 Q 0 4> 4@B
+*B9;'GB*: I +*B9; +*B9;'GB*: IX +*B9;?

*CC9*8 *+ +79 >*?9 0 +79 49 ? *?+/0 ?B* C9+* 0 =?4* 9? ;+79 !'/8)'"" G :
M I +79 40;;94+ -9 ? 9;:+79;9= ;+0 *0;:9*+798A>8 ?+ 9 ;+79 '"#<#8 '
G : MMOI# +79 C80 0;:*+ 0;0 +79 40;;94+ -9 ? *8:9 *;=7* 8A *+ +79 + C ;+79
'/"$&'/&" G : M HI# +79 40;;94+ -9 0 +/0 0 +79 ?+*B9;? 9;:+79;? *>0-9 ;+0 *
A9 0/# *+# +8 *;:@ *8 ?4* 9# *;=>9 0/ ;+0 *: *;=@ *8 ?C@8# /7 47 ? 0=:9=

(E$' 67 ,+.6-.730' : 0*' D : 7+ F

N ' %'

=9?49;=?'+0/*8=?'*;='*>@+?'0;''+79'40;+:@0@?'49 ?'0''+/0'*=D*49;+'*;+@8?' 79?9 @880/?'40;+*;''*'?0+'-?4='@=#?9489+9='>A'+79'894+;*4@7'+7?'@='95+9;=?' 80B''+79'89+;*4@*''+0'+79'C0 9; B*??9?''?00;''+79'+/0'89+;*4@*'@;+9'*;='?0=A#*;='+79-?4='@='; '+79' @880/?'?0=A;:'*+'+79'?*B9'+B9#08B?'*'=0@>9'*E B9;+' 7?'*B9;+'; '7*8=9; ;:'@;+9?'+79'+/0'C0 9; B*??9?'40;+*;9='; '+79' 40;+:@0@?'49 ?'0''+/0'*=D*49;+'*;+798?#/747'+7@?'08B'0;9'>0=A'/+7'+79'89+E ;*4@@B#*;='89B*;'?@?C9;=9='+0'+#B@47'*?'+79'?4*9?'0''*'>**;49'*89'?@?C9;=9,' +0'+79'>9*B

'

79'.#&$#!'08'7-8<2#9 'G.#&$#!!9 E'7-83'2#9 '?'+79'/708''/747'480/;?'+79' 8949C+*49'*;='044@C9?'+79'49;+89'0''+79' 0/98#0''/747'+'+98B;*+9?'+79'':0/+7# D@?+'*?'+79'/709'0/98'+98B;*+9?'+79' 0/98;:'>8*;47

;'B0?+'4*?9?#+79'C?+''?';?98+9='=894+A'0;'+79'8949C+*49''>@+';'?0B9 4*?9?'+79';+98;0=9'80B'/747'+'?C8;:?'9;:+79;?#/79;'+'?'4*9='*'7-83.%3"' G7-83.%3"9 5'*;='+79'C?+''?'?*='+0'>9'&$#.#$/$'' G "92#8'!!/5 :'MGH'9'5 :'N I

79'9*-9?'40BC0?;:'+79'C?+'?'*89'+79'2/".'!&G"8".'!!85'/".#)#/I'+79 8' ;@B>98'-*8 9?'+79A'B*A'08B'*'?;:9'&708'G ')8 5 3!9 ,#8'5 %/!#2$"98 ::#7'MN I'3#'&'('"/!'B "3!!#9&5 :'MN I# 08'>9'?0 +*8A#>A'+79'?@CC89??0;'0'0;9

MN' 8*5;9$*' ?+''*;='4*A5 MNM' @9' 0/98 MN' 7* 4+8@B' ?+ MN' ;0@?' ?+ MNN' ;8 48 9;;*' ?'#

08'B089'B !/)))'$' '88/5 :?'MNN# NO'' '/2%5 :'MN I' !;=98'498+*;'4 84@B?+*;49?' +79'?@CC89??9='4*8C9?'B*A'>9'=9-9 0C9=#*;='40BC 9+9'+79'/708'B %'""-5 :'MNQI' /747'7*?'+79;'+/0'4*8C9?'08'*?';'?0B9'+# 3&/&5'/747'7*-G +7899'+0' -9# U4' 79'C?+''?'?*='+0'>9' 383>'%#>'.3!->28".'!!/"- *4408=;:'*?'+7989'*89'0;9' +/0#08'B*;A'4*8C9? ;'+79' -98A' A0@;:' C?+#9*47'4*8C9'B*F9?' +?'*CC9*8*;49'*?'*'?B*' 80@;='08'C0;+9=#B089'08' 9??'?C89*=;:'?4*9#+79' 9=:9?'0''/747':8*=@*A' *CC80*47#*;=' ;*A'@;+9' *;=' 08B'*'40?9='4*-+A'08#;?+9*#='0'@;+;:'+0:9798,#+79A'B*A'*=7989'+0'+79

M O' *==98' 9;;*# DC ?+ '4@'-98+4* A MNM' 9*47' ?+#CO8+0;' 0'4* A5';='*;=8494@B MNM' 7988A ?+ '/+7'+/0'4*8C9 ?

9=:9? 0 +79 40;+ :@0+ ? 4*8C9 ? 79 9=:9? 0 +79 4*8C9 *8A 9* G08 ?0B9+ B9? +? ;;98 ?@8 *49I C89?9;+ 0;9 08 B089 ?B* 80@;=>0= 9?# *++*479=+0 + = 894+ A 08 >A *4 08=" +79?9 *89 +79 3(9!'&5 *;= / 9-9;+@* A >940B9 +79 &'')&E +79 9=:9? 08 ?@8 *49? >9*8 ;:+ 9 0-@ 9? *89 +79 .!/''8$<E +79 408=+ ; + ;:+79 0-@ 9 +0 +79 C *49;+*? ? +79 : #2!'E +79 B>0 +79 4*8C9 *8A 9* ? ?+79 3(/"-' +79 @CC98 CO8+ 0;0 +7 ? B>#/ 79;+ 08B? *? 9;=98 C80 0;:*+ 0;

' ' ' ' % %' % ' &' " ' (') * + ' ' -' '!" #$ '!" #' ,

>940B9? +79 &$-!'E +79 95+89B +A 08 +0C#/ 7 47 ? "*8 *> 9 ;08B# *;=* */*A? 08B9=0 *= 989;+ ??@9# ? +79 &$#7 /

;+79 C0 A4*8C9 *8A C ?+ +79 4*8C9 ? *89) 16H# 9;+ 89 A ?9C*8*+9 G4)#&$#8'$/5 3!9 ,#8'5 :H %/!#'$"9 5 :MN '!!',3"'5 :MO I# 407989;+ >A +79 8 0-*8 9? *+ +79 >*?9 0; A# 08 7* /*A @C B '88'!5 :OHI# 08 +0 +79 +0C B !/?P :MO $'!!/"#/5 =7 MOMI M# 407989;+ >A +79 8 0-*8 9? *;=?+A 9? B /2$9&5 =7 MO #!-5 :MO I# 407989;+ >A +79 8 0-*8 9?# ?+A 9? *;=?+ :B*?# ?0 *? +0 ? B@ *+9 *? 0 +*8A 4*8C9 B "# "3&'5 $#7 RIE '/"$&'/&'5 $#75 VRR E 5 407989;+ >A +79 8 ?+A 9? *;=?+ :B*? 0; A# +79 8 0-*8 9? >9 ;: 899 B '"#<#8%!'5 :\ \E &2!'.#/&5 :MNHI 0=98;> 0+*; ?+?# ;=9 989;49 +0 0 = @?*:9# 7*-9 40;+ ;@9= +0 : -9 +79 ;*B9 0 0-*8A +0 +79 @; 0;0 ?9-98* 0-*8 9?# / 7 47 +7@? 08B *23 .398)3(/"-4E +79A 7*-9 ? B *8 A 89+* ;9= +79 ;*B9? 0 &$-!'5 &$#7 /5 .!/2'8$/5 08+79 40; @9;+ ?+A 9?# ?+ :B*? *;= C *49;+*? 0 ?9-98* 4*8C9 ?

MOQ ;9 ./+ 0 + * ' ' #' '* '1 2 +'3 4' 4 ' - ' ' #"

& 79;+79 0-*8 9? *89 899# +79 8 9=:9?# >9 ;: 0 =9= ; / *8=? *;=@; +9=+0 / *8=? +79 49;+89 0 +79 0 / 98# 08B *;*CC*89;+ A ? ;: 9# 7;+ 89* A =0@> 9 C *49;+*# / 7 47# / 79D +79 8@ + 8 C9;?# 0 +9;?C +? ;+0 +/0 C*8+ * A ?99= >9*8 ;: C *49;+*? B 3!9 ,#8'5 :HM ')9 5 :MO I ;? B9 -98A 8*89 4*?9? B #8'5 :MOQ #"5 -."'&&5 %9 / +79 4*8C9 ? 89B* ;0;:?C89*=0C9;*;=R@ +9 899 *+98 +79A *CC8O*47 *;= +79 8 ?@8 *49? @; +9# 7@+ / +70@+ 40;?0 =*+ ;:# *;= +79A +7@? 08B 4 0?9=4*- + 9? ;/ 7 47 +79 ?99=? *89 ?79 +989= 79 0-*8A# / 79+798 ? BC 9 08 40BC0@;=# #&&9.'"#3"3":"' 'B3(' &9.'"9 5 !#,'"9 5 /79;+ *=7989? +0 ;0;9 0 +79 ;9 :7>0@8 ;:08:*;? B -2%8#&5 :M "# "3&'5

$,

$00 ?0 (88A' -*8A' 8@+ +8*@ " ?0 A G; BDD I

' -*4 ' '*+ '/ * - 3 '*+ '/ * - +\' *5 8*D89 ?+ ' *;=4* A5 4@ -98+ 4* A' GB@: I ('5 0 + G I-*8A' 4; +8@;?-9 ?9 A' GB*: I

89+* C ; :' +?' 49 ;+8* ' C0? + 0;' G + -"$!'5 : ' M HI ' 0?+' B 0=98;' >0+*; ?+?' 95C * ;' +7 ?' *++98' *88*; :9B 9;+' >A' *??@B ; :'+7*+' +79' 0-*8A' ?' 40;?0 =*+9=' / +7' +79' 4* A5 +@>9' 1 *' +7908A' / 7 4 \' C89-* 9=' =@8 ; :' +79' 8?+' 7* ' 0 ' +79' C89?9;+' 49;+ 8A# *;=' +79' 95C89?? 0C?' 20-*8A' *=798 ; :' +0' +79' 4* A5' :*;=' 24* A5' *=798 ; :' +0' +79' 0-*8A' :7*-9' >99;' 9BC 0A9=' ;' * ' 08*?' *;=' =9?48 C+ -9' / 08F?' @+' *' 4 0?98' ?+@=A' 0 ' +79' =9-9 0CB9;+' > ' 08:*;?' 7*?' ?70 / ;' +7*+' +79' ?0 4* 9=' *=7989;+' 4* A5 +@>9' ?' ;' 89* +A' *' 4@C ?7*C9=' 95C*;? 0;' 0 ' +79' 8949C+*4 9# / 7 47' 7*?' 9;-9 0C9=' +79' 0-*8A# *;=' +7*+' +79' 4* A5' 0; A' 40BB9;49?' *+' +79' ?*B9' C0 ;+' *?' +79' ?+*B 9;?' *;=' C9+* ?' 9;49# / 7*+' 7*?' 7 +798+0' >99;' 4* 9=' *;' *=7989;+' 4* A5 +@>9# 0@:7+' +0' >9' 4* 9=' *' 8949C' +*4@ *8' +@>9' 08' 4@C' & 9' ?7* ' 89+@8;' +0' +7 ?' R@9?+ 0;' / 79;' ?C9*F ; :' 0 ' +79' 08@?

79' 0-*8A' ?' ?* =' +0' >9' %/!:>#8:'"#3"' G3(' &' #>#8:'"9 ' 08' %/!:>/)%'"'8$' G3(' &' #>/)%3'"' 5' / 79;' +' =09?' ;0+' / 70 A' *=7989' +0' +79' 8949C+*4@ *8' +@>9' G /?#:"/7'5 : ' M I

;' +79' 40BC0@;=' 0-*8A' G / 79+798' 899' 08' ; 98 08I' +79' C*8+ * ' 0-*8 9?' B*A' >9' -*8 0@? A' @; +9=) 1 H# +79' 9=:9?' +0@47' G 33&',''"-5>=7' M M"' +#-83##'$$'5 : ' M H'

' .*4 ' ./ -'*+' / -'!" #' &') * + ' ./ -'*+ / -'!" #' '67- 8 ' ./ -'*+' / -'!",# ' % '9+ ' * +' / - ./ - ' -' / - ./ -'*+' / -

"2%#&5 : ' M " /2$9&5 : ' M NI# / 79;' +79 8' @; 0;' ?' B*8F9=' >A' + / 0' 40;+ :@0@?' C*49;+*?' >9 0;: ;:' +0' + / 0' = + 989;+' 4*8C9 ?' +79' C*49;+*?' *89' +79;' ?* =' +0' >9' ./"#'$/!' G.#' ./"#'$/!'&5 *;=' +79' 40BC0@;=' 0-*8A' ?' 0;9 49 9=' G3(' 98#!329!/"'I ' # +79A' *89' 0 =9=' ; / *8=?' ?0' *?' +0' 08B' -98+ 4*' C*8+ + 0;?# 9*47' 40BC0?9=' 0 ' + / 0' 40; @9;+' C *+9?' 4* 9=' &'.$/' G&'.$/5)#&&'.# '8$/ 5 >9 0;: ;:' +0' = 989 +' 4*8C9 ?' 79?9' ?9C+*' *89' #823 .!'$" ##' +79A' =0' ;0+' 89*47' +79' *5 ?' 0 ' +79' 0 / 98# ?0' *?' +0' @; +9'

+(9C *49;D+*? *89 +79 ; . /"#'$/!5 *;= +79 0-*8A 0;9 49 9= GA"-$%" /5 : M O" 3..-5
: M I" +79 ?9C+*4 *89 23 .!'$' +79 8 9=:9? B99+ C +79 *5 ? 0 +79 0/98" *
C80 0;:*+ 0; 0 +79 8949C+*4 9 ?0B9+ B9? K+8*-98?9? +7 ? *5 ?#
/7 47 +79; 08B? *23!9 8 G23!9 '!!/" +/!!3<5 9!#.5 :
M Q" / ./89!/5 : MQ I" +780@:7 +7 ? 40 @B ;# /79+798 ;
+? 08 : ; +>9 8949C+*4@ *8# 08 G*? ? B089 @?@* I +780C:7
+79C *49;+*?# +79 ;0@8 ?7B9;+ 0 +79 0-@ 9? ? 40;-9A9=# *? -9
*? +780@:7 +79 4*8C9 ? & 79;+79 ?9C+* *89 40BC 9+9# +7989 *89
? B;A 49 ? *? 4*8C9 ?# *;= +79 40BC0@;= 0-*8A ? +/06 08
B089 49 9=G3( )93>.!9"#>!329!/"' " *;= +79 C *49;+*?# @; +9= ;
C* 8? G+/0 +0 9*47 4C 8C9 I# *89 49;+8*

79 ?9C+* *89 @?@* A 08B9= 80B +79 9;=04*8C 0 +79 4*8C9 ?# / +7 *;
;+98C0?9= 95C*;? 0;0 +79 B9?04*8C .9"#39&)#&&'.# '8$&]&.9"#/ *89 -98+ 4*
08 708 <0;+* ?9C+*# /7 47 *89 ;0+ 08B9= >A +79 @; 0;0 +79 ; 959= *49? 0 +/0
40;+ :@0@? 4*8C9 ?" +7@?# ; &$"/7/!9& G :MQHI# +79 ?0 +*8A 4*8C9 ? * B0?+/0
49 9= >A *; ;+8@=9= -98+ 4* C *+9 08B9= >A * 0 = 0 +79 =08?* *49" ; !/?
G :MQ I# /7989 +7989 *89 +9; ?9C+*# -9 C80D94 80B +79 B =8 >? 0 +79 4*8C9 ?
+0/*8=? +79 *5 ?# /7 47 +79A =0 ;0+ * /*A? 89*47 ; 1/$9"/ G : QMI# +79 +7899
4*8C9 *8A 0-*8A ? 0@8 49 9= 80B +79 ; 959= 40;+ :@0@? *49? 0 +79 4*8C9 ?# * +98
@; + ; : ; +79 *5 ?# >9 ; : 89 959= ;/*8=?# *;= B99+ ; : * C80 0;:*+ 0; 80B +79
B =8 > 0 +79 4*8C9 " +79 C *49;+*? *89 +7@? >08;9 0; * ?9C+@B 40BC0?9= C*8+ A 0

&

6 ' : , # + ' 0/'4 0; *+' / - (Y% 6,6 /7 21 0666/7*+?0/-0 %<'=''> 0 3 ' ? + #' / -'!" #'' *+' / -

+79 ; 959= *;= +79 ; 89 959= 4*8C9 *8A *49?# *;= C*8+ A 0 * C80 0;:*+ 0; 80B
+79 B =8 > ; +79 @CC98 C*8+ 0 +79 0-*8A# +79 *449??08A ?9C+* G 08B9= 80B +79
B =8 >I = ?*CC9*8# *;= +/0 49 ? 0; A *89 ?99; G :MQ I ; +79 /!!:!3<'"5 *;=
* 9= C *;+? G :MQ I#+79 +/0 4*8C9 ? *89 C89??9= +0:9+798" * 0;:9*47 0 +79 8 +/0
9=:9? 8@;? * =0@> 9 ?99= >9*8 ;: >80 -*?4@ *8 >@;=9 +79?9 *89 +79 0@8 C *49;+*?
88;:9= ; C* 8?" +79 C ?+ ? ? +/0 49 9=# >A * =9 4*+9 *;= * B0?+ +8*;?C*89;+
*?9 ?9C+@B# +0 /7 C7 +79 C *49;+*? 08B * ?08+ 0 8*B9 7 ? ?9C+@B ? ?@CC0?9=
+0 79 08B9= >A +79 C *49;+*?" 08# /79; A0@;:# + ? ?99; +0 >9 40BC0?9= 0 0@8
C *+9?# /7 47 ?C8 ; : ; C* 8? 80B 9*47 C* 8 0 C *49;+*?# *;= *=-*;49 ; /*8=? +
+79A DO ; +0:9+798" *+98# +7 ? * ?9 ?9C+@B *CC9*8? 08B9= 0 * ? ; : 9 B9B>8*;9#
>@+ +89+* ; ? ; +79 49;+89 +79 +8*49 0 +? =0@> 9 08 : ; # ; * -98+ 4* B9= *; ;9#
0; : /7 47 + ? 9? A = -=9= / +70@+ +9*8 ; :
; 3"38#!!/*;= /&&#/ G :N I# +79 D6@;:4*8C9 ? 0;9 49 9=# >@+ *+ * *+98

C98 O= ? = - =9= ;+O ?@C98 BCO?9= 49 ? >A ?9C+* O8B9= O + 9 C*89;47AB* O +79 O-*8A# / 7 47 ? ;+8@=9= 708 <0;+* A >9+ / 99; +79 ?99=?
. 9"#39& 2'!!& D!329!# &. 9"## *89 4*- + 9? ;+79 O-*8A / 7 47 =O ;O+ 40;+* ; ?99=? 79 AO@; : O-*8A O #7)!/ C89?9;+? -9 49 ?# 9*47 40;+* ; ; : + / O C 9? O O-@ 9? *+98 G : MQNI +7989 *CC9*8 +9; 49 ?# O / 7 47 -9 ;+79 49;+89 O +79 8@ + 40;+* ; ?99=? *++*479= +O +79 8 ;+98 O8 *; : 9 +79 O+798 -9 *89 95+98 O8 +O +79?9# *C= *89 9BC+A# *;= =@9 +O +79 ; *+ O; O +79 9D 4*8C . +& / 7 47 ; ? / 9 ; : 7*? =8* : 9= / +7 + +79 B9?04*8C . +& / 7 ?+ +79 9;=04*8C . + 7*? 89E B * ;9= ; +? C *49 9;+8* C *49;+*? *89 ?* = +O >9 :"' ' D. 2'8$"/!'& !#,'"2' / 79; +79A *89 ;O+ @; +9= >A ?9C+* +O +79 / * ? O +79 O-*8A# *;= *CC9*8 40BE C 9+9 A ;=9C9;=9; O +79 4*8C9 ? +7 ? C *49;+*+ O; ? 47*8*4+98 ?+ 4 O "# 9!/2'2 D # .'"8'! "# "3&' -2!/ '8 : MQOI O 95C *; +7 ? ?O *+ O; O +79 C *49;+*?# + ? *??@B9= +7 *+ +79 9=:9? O +79 4*8C9 *8A 9*-9? DO ; +780@:70@+ +79 8 9; :+7# *;= 40;?+ +@+9 * O;9 49 9= O-*8A# >@+ +7 *+ +79 8 >*?* 9=:9? = *+9# *;= *?49;= ; +79 B == 9 O +79 49 +O 08B * 49;+8* B*?? O C *49;+*? 79 C *49;+*? O "# 9!/2'2 *89 +7@? 40; ;9= +O +79 >*?9? O +79 4*8C9 ? 79 89-98?9 ? +79 4*?9 ; +79 O;9 49 9= O-*8D O 3"8,"'$/2'(/7989 +79 O-@ 9? ?C8 ; : 8OB +79 +0C O +79 49 ; BO?+ /"-3.%-!!'2 D #8 2 -2%8#& +79 C *49;+*? *CC9*8 +O >9 899# >@+ +7 ? *8 ?9? 8OB +79 9*8 A 9-*;9?49;49 O +79 ?9C+*# / 7 47 4*; O; / 9 ?99; ; +79 -98A AO@; : O / 98 G : Q I
0B9 98B*; *;= 89;47 >0+*; ?+? 89:*8= +79 4*8C9 *8A 9* *? * C80+94+ -9 O8:*; B 989 A =9;A ; : +7*+ +7*?+79 CO / 98 O C8O=@4 ; : >@=?# *;= B + ; : +7 ? CO / 98 +O +79 O8* *5 ? 4408= ; : +O +79?9# +79 *5 ? * O;9 C8O=@49? O-@ 9?# *;= +79 4*8C9 *8A 9*-9? C8O+94+ +79B ; +79 9*?9 O B*;A 49 9= O-*8 9?# +79A 89:*8= +79 9=:9? O +79 4*8C9 *8A 9*-9? 7- O =9= ; / *8=? + +79A 89*47 *;= 407989 / +7 +79 *5 9 C *49;+*? G / 7 47 ; ;O / ?9 >9 O; : +O +79B I# +79 >8O -*?4@ *8 >@;=9? O +79 C *49;+*? O? ; : +79B?9 -9? ; +79 + ??@9 O +79 ?+A 9?# / 7 47 *89 40;+ ;@*+ O;? O +79 B =8 >? O +79 4*8C9 ? ; @; 04@ *8 40BCO@; = O-*8 9? +79A 40;? =98 +7 *+ +79 C *49;+ 980@? *5 ? >8*;479? F9 +7O ?COF9? O * 7* 0C9;9= C*8*?O # *;= +7 *+ +79 >8*;479? 8@; * O; : +79 40;+ :@0@? 9=:9? O +79 4*8D C9 *8A 9*-9? D '/"$&' /&'5 +#7838K '$$'5 : M " "2%#&5 : M I
7 ? BO= 4*+ O; O +79 4*8C9 *8A +79O8A O C *49;+*+ O; 89?+? O; +79 ?O *E + O; O +79 C *49;+*? ; "# 9!/2'2 G : MQOI O; +79 9;O8BO@? =?C8OCO8+ O; O +79 C *49;+*? 89 *+ -9 A +O +79 4*8C9 *8A 9*-9? ; -*8 O@? C *;+? D -2%8#&5 : MQ / ./89!/5 : MQ I *;= O; +79 *88*; : 9B 9;+ O +79 ;98-9\ ; 498+* ; O-*8 9? D '/5 : H 3!9 ,#8'5 : HMI# / 7989 ; +/ O ?A?+9B? O >8O -*?4@ *8 >@;=9? *89 = ?+ ;4+ A - ? > 9 +79 O;\ 40B ; : 8OB +79 B9= *; ;9 / 9# +79 O+798?

8 ? ; : 80B +79 C *49;+*?# *;= 40B B@; 4*+ ; : / +7 +79 8?+ / 7 47 ?99B? +0 ;= 4*+9 *@; 0; >9+ / 99; +79 *5 ? *;= 4*8C9 ?

79 0 / 98 ? #&37-839& G ! #&37-89& 5 / 79; +79 4*8C9 ? 0 / 7 47 +79 C ?+ ? 40BC0?9= 9R@* +79 ?9C* ? ; ;@B>98 G ')9 %O /8##37-839& G ! /(&37-89& 5 / 79; +79 4*8C9 ? *89 9 / 98 ; ;@B>98 +7*; +79 ?9C* ? G '9?#:"/7'5 8/0)"/73#%A 3 :"'- 'Y1 .3!-7-839& G ! .3!-7-89& 5 / 79; +79 4*8C9 ? *89 B089 ;@B980@? +7*; +79 ?9C* ? G /89829!9&5 3. .-

; C ?+ ? 08B9= 0 40;?0 =*+9= 4*8C9 ?# +79 ;@B>98 0 +79 *++98 ?=9+98B ;9=# 9 +798 >A +79 ;@B>98 0 ?+A 9?# / 79; +79?9 *89 899# 08 >A +79 ;@B>98 0 ?9C+*# 08 >A +79 ;@B>98 0 C *49;+*?# / 7 47 *89 @?@* A ; C* 8?# *;= 08B -98+ 4* ?98 9?# 08 9?7A C80+@>98*;49? ; C ?+ ? / +7 C*8 9+* 0-@ 9? G 9$3 9&5 3. .-5 '8$#/8 +79 ;@B>98 0 ?+ : B*? 08 ?+A 9? 08 ?9C+* B@?+ >9 95*B ;9=

79 + / 0 08 B089 0-@ 9= 0-*8A G / 79+798 ? BC 9 08 40BC0@;=# 899 08 *=7989;+I Y ?* / *A?4* 9= TBA 0+' / & G3(.!9"#3(9!/$9 0-*8 9? *89 ?@CC0?9= +0 >9 ;08B* A B*;A 0-@ 9=# 08 9*47 4*8C9 7*- ; : + / 0 C *49;+*?# *;= 9*4 C *49;+* >9 ; : ;08B* A 0;9 08 B089 0-@ 9=# + 0 0 / ? +7*+ ;0 0-*8A ?70@ = 7*-9 9 / 98 +7*; + / 0 0-@ 9? ;0;9 0-@ 9= 0-*8A G3(#3(9!/$9 ?79;49 A0@;:0" GB*: f 0@; 07\A B*: f 89:*8=9= *? 89?@ + ; : 80B +79 ?@CC89?? 0;0 0;9 *+ 9 D - *+ / - 08 B089 0-@ 9? 79 A0@; :0-*8A 0 +9; 40;+* ;? + / 0 08 C 089 0-@ 9?# 0 / 7 47 * >@+ 0;9 *89 ?@>?9R@9;+ A ?@CC89??9=# *? ; +79 '/2% G : QQI# / 7 47 ? * / *A? + / 0 0-@ 9= / 79; A0@; : *;= ; +79 3"&'>2%'&$8 $ *;= /%5 / 7 47 7*-9 ? 5 0-@ 9? G : I 79 40BC0@;= >-*8A ? @?@* A : 0>0?9 08 0-0 = + ? !3%') G3(5 !3%/$9 5 / 79; +79 =08?* *49? 0 +79 2/". '!& /" -98A 40; -95# *;= ?9C*8*+9= >A =99C @880 / ? G@?@* A ;= 4*+ ; : +79 ;9? 0 D@;4+ 0;# : I# *;= *4408= ; : +0 +79 ;@B>98# + ? %#!3, ')5 $"#!3%')5 U4

.0 57/10 - 7/0 *26 7 87=- 8.2/ 03J ;46 7/0 -2 : 06, : 0- 7//7*+03 ,* 7 -1,/7 8.0*6.0= 2/ : 7 .073 2/ -1,90J 6.0 /0501675 0 76 6.0 -7 : 0 6, : 0 0*+6.0*,*+ ,*62 7 .0 : ,-1.0/,5 52*,57 2/ 5= ,*3/,5 7G, G $"/<%'""-45 ,+ %$ J /&. , '""-5 : " #2/"#/5 : M)3 #&5 : I 3&'& G : I C89?9;+ * C894 ?9 A 89-98?9 *88*; :9B9;+ +79 4*8C9 ? G0-I# ;?+9*= 0 8 ? ; :

(' * ' ('% 3 -' ('E -') ' # 2' (' E
3 '*+ '/ * - E ' '*+ '/ * - ' ' 2 3 '*+ '/ * -

.0B *# C *;9 08 40; -95 ?@8 *49# ?C8 ; : 80B +79 / * ? 0 * 4*- +A G4I / 7 47 / >9 =9?48 >9=: @; =98 +79 $3"9& ; +7 ? G9549C+ 0;* I 4*?9# +79 4*8C9 ? *89 ?* = +0 >9 . /"#'$/! G3(. /"#'$/!#/

79 40BC0@;= ?+A 9 ? BC80C98 A ?* = +0 >9 &# #!' G/$ &# .!'?05 / 79; /70 A @;= - =9= + ? ,#> $"#> #)5 U4 # / 79; +79 40BC0;9;+ ?+A 9? 4079899 >9A0;= +79 B == 9 %#> . /"$#$'5 U4 # / 79;+79A =0 ;0+ 4079899 +0 +79 B == 9 79 ?+A 9? 0 9*47 4*8C9 8* 9 A > 84*+9 0;49 08 + / 49 / 7>;+79A =0# +79A *89 =0@> 9 08 R@*=8@C 9 ; ;@B>98 +0 +79 4*8C9 ? G 9.%3",#/5 : NI

79 ?+A 9 ? $'" #8/! G&$ $'" #8/!#& 5 / 79; + ?C8 ; :? 80B +79 +0C 0 +79 0-*8A B ."#23$5 : HHI !/$'"/!5 / 79; + ?C8 ; :? B089 08 9?? 80B +79 ? =9 0 +79 4*8C9 # +79 +0C 0 / 7 47 *CC9*8? >9; + =0 / ; / *8=? B $"/<K ,'""-5 : OI' 1 ,/&#!/" B&$,/&#!/"#& 5 / 79; +79 +0C 0 +79 0-*8A ?

(' : *4 ' ( )' 6+ 4 ' (' % 3 -' (') "0 *- (' % # ' C 3 ' ' 0
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>9;+ =0 / ;+0 * 9-9 / +7 +? >*?9 B !2%' #!!/5 : I & 79;+7989 *89 B*;A 0-*8 9?# / +7 40; @9;+ ,/&#!/" ?+A 9?#+79 ?+A 9 ? ?* = +0 >9 7-83,/&#2 B&$ 7-8(,3&#29&5 3 :"'-5 : QI# *;= +79 = *+9= >*?9 0 +7 ? 40BC0? +9 ?+A 9# 95+9;= ; :>9 0 / +79 0-*8 9? .*;= ?@8 *49 0 +79 89E 49C+*4 9# 7*? >99; 4* 9= * 7-83,/&'

('C-*4 ? + #' / -' ! " 8# '' *+ ' F / -' 6 ' * G 6 2 ' +2 ' * G @ * G # /+ G @ * 2+* # + ' ' +" (' : * ' '*+ '/ * -

(' % 2 # ' H 0 *(' * ' 0 - '2+ #' 0 I ' 4 3 #' 3 ' ;# ' ' 4 ' #" ' 2' 4 ' ; + ' F #' 3 ' 0 4 ' - '!" #' (('J 2 ? + #' '!" #' ' ' 4 3' 4 ' 3 '* '* ' 0' 4 '* 2+* F #' + ' 0' 3 ' ' ' K ') ' / -' G C * ' * - G &' #- + ' 2 KG' ' 4 G)4' *4 I G ' " * -

B7-83,/&# 79 :A;0>*?9 ? ?0B9+ B9? C80 0;:9= ;+0 *7-83.%3"'D /7'5 : H # 0I >@+ * :A;0C7089 C80C98 B@?+ ;0+ >9 40; 0@;=9= / +7 +79 :A;0>*?9 +79 :A;0>*?9 >9 0;:? +0 +79 ?+A 9?# +7 + ?# +0 +79 4*8C9 ? +79 :A;0C7089 C80C98 >9 0;:? +0 +79 *5 ? +?9 # 0 / 7 47 + ? +79 +98B ;*+ 0; ,

79 ?+A 9 ? * CO8+ 0; 0 +79 4*8C9 *8A 9* # 40;+8*4+9= ;+0 * ?08+ 0 0;: E +@= ;* +@>9# 9= / +7 * B0 ?+ *;= 00?9 C*89;47AB *# ;*B9= 238)92$#87 $#&&9'

G : HH + +7 ? + ??@9 / 7 47 ?C89*= ; : 0-98 +79 +0C 08 ? =9? 0 +79 ?+A 9
0; ;? +79 ?C0 ; : A ?@8 *49 4* 9= +79 ?+ : B * G?I 79 ?*B9 + ??@9 =9?49 ; =? 80B +79
?+A 9 ; +0 +79 4*- +A 0 +79 0-*8A G : H6 +& C*??9? * 0; : + 9 C *49 ; +*? .6 +&
*; = 40-98? / +7 +? 00?9 49 ? +79 B 480CA 9 0 9*47 0-@ 9 .! *; = + ? >9+ / 99;
+79?9 49 ? G : HMI +7 *+ +79 C0 9; +@>9 9*- ; : +79 C0 9; :8* ; 0; +79 ?+ : B *
9 94+? * C*??*: 9 +0 *; = 98+ <9? +79 0-@ 9

; 3 .3&#$2 5 $% ' 40; =@4+ ; : + ??@9 40; ? ?+? 0 + / 0 +789*=? G : H C CI
/ 7 47 =9?49 ; = 80B +79 >*?9 0 +79 ?+A 9 @C0 ; +79 ? =9? 0 +79 0"@ 9 / +70@+
*=798 ; : +0 + *+ +? >*?9 +79A D0 ; * ; = 9 ; +98 +79 >*?9 0 +79 @; 9 9 ; 9*8 +79
B 480CA 9

; $/$#2 ' G : H I *4408= ; : +0 8>9 +70 40; =@4+ ; : + ??@9
G+ ? 4I 89?9B> 9? * C9?+ 9 + 9; +98? +79 9* +A 0 +79 0-*8A B
B9= *+9 A *>0-9 +79 : *C ; : B 480CA 9 0 +79 0-@ 9 G0- I / 7 47
? ?@?C9 ; =9= 80B * >*?* 408= G4 8 I 7 ? 40; =@4+ ; : + ??@9 89?+?
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79 ?+ : B * G :? HM *; = HH ?I ? ; 0+7 ; : >@+ +79 40; =@4+ ; : + ??@9 ?C89*= 0@+
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.!'$9 / 79; + ? 40; + ; @0@? / +7 +79 ?+A 9# *; = 4 9*8 A = ?+ ;
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%' #&.%'"#Z G "# "3&'5 : MONI# "398) G 3, /2235 : H I# :3"F')
G /! :3< '"5 : HQI# ,#>!/ '!!/$" G1 /$9"/ 5 !3, ') G #!-5 :# MO '
+'!385 : I# !/2#8#/$' 08
:"#87') G /::"385 9 '?5 :
HI# . '8#2#!!/$' G /"#'$/"#/5
: AHH 5.!9 3&' G %'/$5 :
MI#)#&23#)5 238#2/!52-!#8)"#25
2!9,>&%/.')A /<!>&%/.')5 U4
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;+8O8?9 *;+ 98? ;+79?9C *;+?+79 AO@;:?+A 9 ? B@47 ?7O8+98 +7*;+79?+*+!9 ?
+:8O/?8*C = A *?+79 O/98 95C*;=?* ;=+8*-98?9?+79+@>9 O8B9=7A+79?+*B9;?
/7989 +?7* 8?# 8@>> ;:+79 *;+798 49 ?6 0C9;+79B# *;=?/99C O@+ +79 CO 9;
/7 47 *=79897?+O+79B +79A *89 79;49 4* 9=23!!'2$#87 %/#"'& O8 ,"9&%'& D.#!# 23!>
!'2$3"'& ;+79 3"8:!3<'" G :M I+79?+:B*?G + I*89*+98**;=?!C9 4*#*?
;+79 A47;?#*;=>9 O/+79B?*?B* ?/9 ;:4 O+79=/ +7*+@ +O-98A?B*
40 94+;:7* 8?GC4I ;+79 %"-&/8$%' 9 G :MHI# +79+/O ?+A 9 >8*;479?*89
C*C O?9O;+79 8 ;;98 *49?#*;=+CC9=>A*+ 9 +@ +O 40 94+;:7* 8? ;
9./$3"#9 G :M I+79+/O ?+A 9 >8*;479?*89 4A ;=8 4*;=>8 ?+ O/ +7 O 94+;:
7* 8?*;=+79?+:B*+ 4?@8 *49? O8B*+ 9 >*;= /7 47 95+9;=? 8OB +79 O8F
7* /*A@C +79>8*;479? ; 2%#!!'/G :? M# M I#+79 79*=? O &7 47 *89 8*A9=#
+79 49;+8* O89+? *89 +@>@ *8*;=798B*C78O= +9 G : MI# *;=+79 4 84@B 989;+*
89 9B 9 ?9B O89+? G :M I 989 +79 ?+A 9 *8B? O +79 49;+8* O89+?
G798B*C78O= +9I *89 C*C O?9O;+79 ;;98 *49#*;=+CC9=/ +7*>8@?7O 40 94+;:
7* 8?" +79 ?9B O89+?*:* ;#>9 ;:9B* 9 O; A#+79 8 ?+A 9,*8B? G :NI 7*-9
;O 40 94+;:7* 8? G :M I#>@+#*? +79 CO 9;O+79 49;+89 O89+? B*A 89*47 +79B#
+79 8 ?+A 9 *8B? *89 C*C O?9# ?O*? +O 89+* ;+79 CO 9;*;=?94@89 98+ <*+ O; ;
/ ./89!/+79 -9 ?+A 9 >8*;479? G :MOI *89 C*C O?9O;+79 ;;98 *49#*;=
?@>+9;=9=>A -9 8O/?O 40 94+;:7* 8?# 9*47 8O/>9 ;:=O@> 9# *;=*;?/98 ;:+O
+79 +/O 7* -9? O 9*47 *;+798 9 O89 95C*;?O;# +79 ?+A 9 :8O/? 8*C = A# +79
;+798? OC9;#;=+79 8 CO 9; :8* ;?# /7 47 >8 ?+ 9
/ +7 700F?# *=7989 8B A+O+79 7* 8?/7 47 7*-9
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(') " + ' ('H M ' @B ' (('62
: 2**+"' 2 '!" #' d+ 'GB*:I ' 2'* - '! 8'

7* 8? *89 89+8*4+9= / +7 ;+79B?9 -9?# F9 +79 708;? O * ?;* +79 CO 9;+79;
=?*CC9*8?#*;=+79 ?+A 9 >940B9? 4 9*;# +? ?@8 *49 >9 ;:B989 A * ++ 9 8O@:7

79 ?+ :B* ? &'&&#!' G&$ &'&&#!' / 79;# +7989 >9 ;:;O ?+A 9# + ? ?9*+9= 894+ A
O;+79 O-*8A ;+79 9!#.G :M I + O8B?+7899 > 0>9= 4 8 9?+? ;+79 '$$!'
* C9;4 '1 ; "9 G :M I# * ++ 9 C*C O?9+@ +'1 ;+79 6#8' G :MQI# * *+E
+9;9= 79*='1 ;+79 !)'' G : I# +7899 8O@;=9= 0>9? ;+79 3..- G : HI#
-9 -9+A 8*= *+ ;:=O@> 9 489?+?# 4 O+7 ;:+79 =9C89??9= ?+A 9?# /7 47 +0:9+798 89?9B> 9
* ?7 9 = O8 4*C / +7 ?4* OC9= 9=:9?

79 ?+ :B* ? ?OB9+ B9? *>?9;+# *;=+79;+79 O-*8A 89B* ;? OC9; +7 ? ? +79
4*?9 / +7 :!#8 G :OQI# -."'&&5 *;= %9 /5+79 9B* 9 O/98? O / 7 47 *89 *88*;:9=
;* ?C F9 9*47 ? @8;?79= / +7 *;O@+98 >8*4+# / 7 47 ?OO;/ +798? *;== ?*CE
C9*8? 9*47 ? O8B9= O +?4* 9 89C89?9;+ ;:* ;OC9;4*8C9 # / +7O@+?+A 9 O8?+ :B*K

>9*8 ; : * + ?> *?9 + / 0 0 - @ 9? / +7 * : *C ; : ; 48OCD 9 * +98 98+ <*+ 0 ; # +79?9 4*8C9 ? +7 4F9 ; # 7*8=9 ; # * ; = >940B9 *CC89??9=# * ; = 08B 4 0?9= 4*- + 9? / 7 47 C8O+94 + +79 ?99=? =@8 ; : +79 8 8 C9 ; ; :

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79 +08@? C8O=@49?# >9? =9? ?+*B9 ; ? * ; = C9+* ?# ; 94+*8 98O@? : * ; =? * ; = ?@ ; =8A

((') + " C ' ' + + 2 2 -' * ' N + ' 4 3 # 4 ' * ' 0 ' -' 4 ' " 8 ! " # '

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8I ' 8* ; : 9# " 98+ 4* ' ?94+ 0 ' O ' C ?+ ' * ; = 8949C+*4 9 # +O 8@?' " 4# 4* A5

95C* ; ? 0 ; ? * ; * 0 : 0@? +0 C9+* ? 08 ?+*B9 ; ? 7@?# ; +79 3!9 ,#8 ' G : I# >9+ / 99 ; +79 * ; =8094 @B * ; = +79 C ?+ # * +9 +9 ; B9B>8* ; 0@? ? -98A / 7 +9 ?4* 9?# / +7 0 =9= 9=: 9?# *8 : 98 * + +79 >*?9 +7* ; * + +79 +0C# / 7 47 B*A >9 40 ; ? =989= *? *B9 ; +?# * ; = / 7 47 ?0B9+ B9? 79*8 * ; * ; +798 * + +79 8 95+89B +A ; +79 "' ' '38- G : MI# +79 +7 4F ? / 0 9 ; +08@? 9 0 ; : *+9? ; +0 * B9B>8* ; 0@? 4@C ?@880@ ; = ; : +79 4*8C9 ?# / +70@+ *=798 ; : +0 +79B# * ; = 0C9 ; * + +79 +0C +0 * 08= *C*??* : 9 +0 +79 ?+ : B*?) + *CC9*8? +0 08B * C*8+ 0 +79 8@ +# 80B / 7 47 + ? ; 9 - 98+79 9?? - 98A = ?+ ; 4+ 7 ? C9+* 0 = ; - 0 @489 ?0B9+ B9? >9*8? * ; +798? ; +79 %#$ ' /$ ' #!- G : I +79 ?+*B9 ; ? * ; = C9+* ? 407989 / +7 +79 +08@?# / 7 47 9 ; - 9 0C? +79 0 - *8A# ,? ?0 +7 * + +79A *CC9*8 +0 *=7989 +0 +79 0 - *8A ' +79A = 9 * +98 0 / 98 ; : # 9* - ; : +79 +08@? B*8F9= / +7 +79 8 ?4*8? ; +79 '!!3< /$ ' #!- 5 +79 +7 4F 4@C# 95+98 ; * A :899 ; * ; =

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79 +08@? 0 +9 ; 08B?# >9 0 / +79 0 - *8A# * C8OD94+ ; : 8 ; : 08 ? / 9 ; : # 80B / 7 47 ?C8 ; : +79 ?+*; *9 ; ? * ; = C9+* ? G "/87 '5 : + #7838 '$$ '5 : NI >@+ B089 0 +9 ; +7 ? 8 ; : # 89=@49= +0 +? B0? ? BC 9 08B# 0 ; A *CC9*8? *? * 4 84@ *8 ;9

0;+79 8949C+*4 9# >9+ / 99 ;+79 C ?+ * *;=+79 4* A5 G %'!#)38#9 5A7 \\4R ; 9-98A 4*?9+79 *;=8494 @B * ;= 4080 *# >9 ; : ;?98+9=0;+7 ?8 ; : * ;=>9 0 / +79 C ?+ # *89 7AC0:A;0@?# *;=+79 C *;+ +7* *B 08* 6+79 C9+* ?*89 899# 4080 08* +79A *89 407989;+ ;B*;A C *;+?+79 8949C+*4 9 = *+9?;+0 *4@C# / 7 47 89C89?9;+?* 4* A4 ;* +@>9# 0-98 / 7 47+79 +08@?? ?C89*=# *;=+79 ?+*B9;?*;=C ?+ ? ?C8 ; : 80B +?0@+98 B*8: ; G $"/<,'""-5 : H" ."#23$5 : QI ;0+798?+8 ?9?@C0;+7 N' 4*8C9 ?# 9;-9 0C? +79B 4 0?9 A# *;= 08B? / +7

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+79B >@+0;9 >0=A#@C0;+79 4 84@B 989;49 0 / 7 47+79 ?+*B9;?# C9+* ?*;= 4* A5 *89 ;?98+9=*+*7 :798 9-9 +7*;+79 -*8A G+-"$!'5 : M H" /?#:"/7'5 : M I 7 ? 4@C# 9;-9 0C ;:+79 4*8C9 ? *;= 08B9=>A+79 :80/+7 0 +79 8949C+*4 9# ? +79 2/!-?>$9,"0 B0=98;+ 08*?# / 7 47 + /0@ =>9 >9++98 +0 4* * *+"'2'.$/29!/" +@>9 08 4@C

7 ? 7AC98+80C7A 0 +79 8949C+*4 9 ? C*8+ 4@ *8 A ?+8 F ; :; 0847*8=8@ +? / 9 7* -9 *;@;8 C9 C9*8 08 *CC 9 G : I# / 9 ;= -9 4*8C9 ?# 08B ; : -9 + / 0 0-@ 9=49 ?# ?@880@;=9=>A *+ 9?7A B*??# +79 ?0 4* 9=2/!-2#8'>$9,"G>9++98 * 9="'2'.$/29!/" 29. 5 / 7 47 7*? 4 0?9 A 9;-9 0C9=+79B# *;=*:: @+ ;*+9=+79B >A+79 8 *+98* *49?# >@+9 +79 8 ; ;98 9=:9? 899 -98+ 4* ?94+ 0;0 *8 C9 *CC 9 G : \\Z 957 > +? *80 -* 4@ *8 >@;=9# 95+9;= ; :0B +79 C9=@;4 9# / +7 / 7 47 + ? 40;+ ; 0@?# +0 +79 2/". '!& É + ? +79 C*89;47AB*0 +79 8949C+*4 9# / 7 47 7*? 7989 9;08B0@? A ;489*?9=;>@ F +0 9;-9 0C +79 0-*8 9? *+ +79 ?@B B + 0 +7 ? B*??# +7*+ ? +0 ?*A# *+ +79 +0C 0 +79 8@ +# +79 89B* ;? 0 +79 ?9C* ? *;=?+*B9;? B*A >9 ?99;4*88 9=@C >A+79 95C*;? 0;0 +79 8949C+*4 9

79 8949C+*4@ *8 +7908A 0 +79 4* A4 ;9 +@>9 40BC 9+9 A 95C * ;? +79 *88*C:9 B9;+ 0 +79 4*8C9 ? 0 *0?9 G : I ;+7 ?# +79 CO? + 0;0 +D 9 4*8C9 ? 0;+79 ;+98;* / * 0 *4 A4 ;9 +@>9 / *? = 4@ + +0 *=B +# +79 / 708 ? 0 +79 0 / 98 >9 ; : *+98* 95C*;? 0;? 0 +79 *5 ?# + / *? BCO?? > 9# ;=9 *;49 0 +79 * / 0 +79 9-0 @+ 0;0 08* / 708 ?# +0 *++8 >@+9 +0 +79 4* A5 +79 CO / 98 0 C8O=@4 ; :4*8C9 ? 79 CO? + 0;0 +79 40 0@89=8 ; :80B / 7 47 +79 C9+* ? *;=?+*B9;? 8 ?9 ? +79 F9A +0 +79 *CC*89;+ A *>;08B* CO? + 0;0 +79 4*8C9 ? +7 ? 8 ; : ?@8B0@;+? +79 0-0 =>0=A 9;4 0? ; :+79 4*8C9 ? # +79 +08@? 7*? +7989 089 89*479=+7*+ CO ; + >9 089 9B + ; : *+98* A# +79 C9+* ? *;=?+*B9;? D *;=? ;49 +79 +08@? ? ;0+7 ; : >@+ +79 4 84@B 989;49 0 +79 8949C+*4 9# + ? 9-=9;+7*+ + B@?+ >9 +79 *++98 08:*;/ 7 47 40;?+ +@+9? +79 70 0 / >0=A 9;4 0? ; :+79 4*8C9 ? ; *4+# +79 8949C+*4 9# ;?+9*=0 08B ; :# *? ; +79 $"/<,'""-G : HI# *79B ?C7989# 7*? ? / 0 9;# 8 ?9; B@47 *>0-9 +? 08= ;*8A 9-9 # *;=08B9=*?08+0 4@C +7@? 89?9B> ; :+79 ; :98 0 * : 0-9 +@8;9=; ?=9 0@+# +79 ;08B* A 0@+98 08 40;-95 ?@8 *49 >940B ; :+79 ; ;98# 08 40;4*-9# 0;9 & 989 +79 40;-95 8949C+*4 9 0 +79 +8* / >988A 89=@49=+0 *+7@

B9B>8*;9# *;= +@8;9= ;?=9 0@+# +79 ?9C* ? /0@ = +79; 08B *8 ;: 80@;= +79
B0@+7 0 *?08+ 0 >0++ 9# 89C89?9;+9= >A +79 ;-98+9= 8949C+*4 9# /70?9 +780*+ /0@ =
>9 044@C 9= >A +79 ?+*B9;? *;= C9+* ?# *;= +? ;;98 ?@8 *49 >A +79 0-*8 9?* *;= +79
?+8* / >988A /0@ = >9 +7@? 47*;:9= ;+0 *80?9 79 *?+ 9- =9;49 0 +79 70 0/ >0=A
0 +79 80?9 >9 ;: *4@C ?7*C9= 95C*;?0; 0 +79 *5 ? 89?+? 0; +79 4*?9? ;/7 47 +79
8949C+*4 9 08B?# ;?+9*= 0 *4@C# *49;+8* 40;-95 C80D94+ 0;# /7 47 >9*8? 4*8C9 ?
+79 80?9 +7@? >9 ;: 40;-98+9= ;+0 *?+8* / >988A
; * +79?9 4*?9? +79 C *; + ? 4* A4 08* +79 ?+*B9;? *;= C9+* ? *89 ;0
7AC0:A;0@?# *? ;+79 -2%8#& G :M I *;= "# "3&' G : QOI# >@+ *89 ;?98+9= *>0-9
+79 >*?9 0 +79 C ?#+ # *+ +79 = ?+* 9;= 0 +79 +08@?G 9 /2%5 : I# 08 0; +79
0@+98 4 84@B 989;49 0 * 8;: 08 4@C 08B9= >A +79
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+79 +08@? >0+7 ?C89*=? 0-98 +79 >*?9 0 +79 4* A5 *;= *80@;= +7*+ 0 +79 0-*8A# +79
*;=8094 @B B*A >9 %-.37-839&5 *;= +79 4080 * .'"#>
7-839&E +7 ? ? -98A 8*+9# >@+ 044@8? ; "3.3'3!9 G :
I
79 +98B)#&% 7*? >99C 89?98-9= 08 +79 +@B =
8;: / 7 47# ; 7AC0:A;0@? 0/98?# ?@880@;=? +79 >*?9

(%' ') * ' ('A 2 4' (&' % 2+>' (& ' / ' (&' - ' ((' 3 K '
L 3 '*+ ' ?+ ,2' % "
/ * -' 2'+ * 5 * '!" #' 2' * ' 2' * - 2' *

0 +>9 0-*8A G "/87'5 : I *;= 08 +79 +7 4F9; ;: / 7 47 480/;? +79 ; 98 08
0-*8A# 9;4 0? ;: +79 >*?9 0 +79 ?+A 9 G #"22'/5 : ,#& 79?9 +7 4F9; ;: ? 0

+79ʻ+O8@?ʻ *89ʻ : *;=@ *8# *;=ʻ@?@* Aʻ?9489+9ʻ 70;9A9=ʻ @=?# /79;49ʻ+79Aʻ7*-9ʻ>99;ʻ 4 *??9=ʻ / +7ʻ;94+*8 9?# 0 ʻ/7 47ʻ /9ʻ*89ʻ*>0@+ʻ+0ʻ?C9*F#

'2$/"#'& O8ʻ 8'2$/"#:'"39&ʻ7!/8)&ʻ*89ʻ@?@* Aʻ=9-9 0C9=ʻ 80Bʻ+79ʻ+O8! # *;=ʻC *49=ʻ @CO;ʻ +ʻ O8ʻ+79ʻ O8:*;?ʻ=9-9 0C9=ʻ 80Bʻ +

79ʻ8949C+*4 9ʻ0 ʻ+79ʻ /)#&%ʻG :ʻ MI# /!!:!3<'"ʻG :ʻH I# *;=ʻ0+798ʻ "9'#:'"2'5 >9*8?ʻ 0@8ʻO8ʻ?5ʻ:*;=?'1+79ʻ ="#<#8+"ʻG :ʻ Iʻ+/OʻL5A ')<ʻG :ʻ Iʻ -9ʻ BO?+ʻ '&8'"#/2'2'ʻ* ?Oʻ -9ʻ>@+ʻ;ʻ+7 ?ʻ 8=98ʻ* ʻ ;+98B9=*+9?ʻ>9+/99;ʻ -9ʻ899ʻ :*;=?ʻ*;=ʻ*ʻ *8:9ʻ7ACO:A;0@?ʻO8ʻ9C :A;0@?ʻ=?Fʻ*89ʻ+Oʻ>9ʻ 0@;=ʻ ;ʻ+79ʻ $"/<K ,'""-ʻG :ʻ HI# '/2%ʻG :ʻMN I#*;=ʻ0+798ʻ 3&/2' '5+79ʻ 8*;:9 A9 0/ʻ *A98ʻ0ʻ+79ʻ +O8@?# /7 47ʻ ?ʻ?C89*=ʻ0-98ʻ+79ʻ *A5# ?9489+9?ʻ?@C98 4 * Aʻ*ʻ 70;9A9=ʻ R@O8" >@+ʻ 0+9;ʻ O8ʻ?Oʻ?7O8+ʻ*ʻ+ B9ʻ+7*+ʻ+ʻ?ʻ= 4@+ʻ+Oʻ0>?98-9ʻ+ʻ ;ʻ /89829!9&ʻG :ʻ MOIʻ*ʻ ?B* ʻ;94+*8Aʻ044@8?# C8O+94+9=ʻ>Aʻ*ʻ?4* 9# *+ʻ+79ʻ>*?9ʻ0ʻ+79ʻ4 *//ʻ0ʻ9*47ʻC9+* ʻ ;ʻ '",'"#&ʻG :ʻ I# 9*47ʻC9+*ʻ>9*8?# *ʻ ++ 9ʻ*>0-9ʻ+79ʻ>*?9# +/Oʻ;*F9=ʻ0-0=ʻ;94+*E 8 9?ʻ ;ʻ+79ʻ 4"#$#!!/"-ʻG :ʻ NI# +79ʻ?5ʻC9+* 0=ʻC98 *;+7 ?9:B9;+?ʻ 9*47ʻ>9*8ʻ*ʻ ;94+*8Aʻ*ʻ ++ 9ʻ*>0-9ʻ+79ʻ>*?9# /747# ;?+9*=ʻC ʻC8OD94+ ;:# 08B?ʻ*ʻ @88O/ʻ ;ʻ+79ʻ #!-5ʻ*ʻ=0@> 9ʻ ;94+*8 980@?ʻ @88O/ʻ95+9;=?ʻ* 0;:ʻ+79ʻ *49ʻ0ʻ+79ʻ B=8>ʻ0ʻ9*47ʻ C9+*ʻ ʻ 8ʻ /"8/&&#/ʻG :ʻ OI# OCCO?+9ʻ9*47ʻC9+*ʻ+7989ʻ ?ʻ*ʻC9+* 0 ʻ?4* 9ʻ/747ʻ 8*B 9?ʻ;+Oʻ+7899# -9# ?9-9;# ;;9# 08ʻ +99;ʻ>8*;479?# 9*47ʻ+CC9=ʻ>Aʻ*ʻ:0>@ *8ʻ ;94+*8A

;94+*8 9?ʻ*89ʻ?0B9+ B9?ʻ0;ʻ+79ʻ+Cʻ08ʻ>*?9ʻ0ʻ+79ʻ40;;94+ -9ʻ0ʻ+79ʻ?+*B9;?# *?ʻ ;ʻ)'8/8$%'"/5 "3&3.#&5 U4ʻ ;ʻ '/"$&'/&'ʻG :ʻ I#+/Oʻ;94+*8 9?ʻC8OE 499=ʻ80Bʻ+/Oʻ0ʻ+79ʻ?+*B9;?# *;=# C8OD94+ ;:ʻ 80Bʻ+79ʻ40;;94+ -9ʻ*+ʻ+79ʻ >*?9ʻ0ʻ+79ʻ*;+798# 08B?+/Oʻ894@8-9=ʻ+* ?# ?79*+79=ʻ ;ʻ+79ʻ70 0/X08;ʻ 0ʻ+79ʻ0/98ʻC9+* # *+ʻ+79ʻ>*?9ʻ0ʻ/747ʻ+79Aʻ?9489+9ʻ *ʻ?/99+ʻ R@O8ʻ 80Bʻ +79 8ʻ+C?

+ʻ7*?ʻ* 89*=Aʻ>99;ʻ89B*8F9=ʻ+7*+ʻ%3!!3<ʻC9+* ?ʻ40;+* ;ʻ*ʻ;94+*8Aʻ ;ʻ +79 8ʻ4*- +Aʻ B 3!9 %#8$'5 :ʻ N" 238#$'5 :ʻ Oʻ# #:!'!!/5 :ʻ " '!!'K (2 '0 2' ,3"'5 :ʻ M" #8$'"238#$'5 :ʻ ʻ %#& 2' +2 * * +"

;ʻB0;0C9+* 0@?ʻ40800 *?ʻ+79ʻ;94+*8 9?ʻB*A>9ʻ?@C98 4 *ʻG 38'-&92F!'5 #!/25 3"ʻ 044@CAʻ*ʻ4*- +Aʻ /747ʻ95+98;*Aʻ08B?ʻ*ʻ>0??ʻ08ʻ?C@8ʻG[#8/"#/5 :ʻ N" 8/.K)"/7385 :ʻ " '8:"/8$%9&5 :ʻHZNI"ʻ ;ʻ+79ʻ *++98ʻ4*?9ʻ+79ʻ4080 *ʻ ?ʻ 889:@ *8# *;=ʻ+79ʻ?+*B9;?ʻ*89ʻ0 +9;ʻ BC98 94+"ʻ>@+ʻ+ʻ?ʻ= 4@+ʻ+Oʻ?*Aʻ/79+798ʻ+79ʻ ;94+*E 8 9?ʻ*89ʻ+79ʻ4*@?9ʻO8ʻ9 94+ʻ0ʻ+7?ʻ889:@ *8+A

94+*8 9?ʻ*89ʻ;0+ʻ40; ;9=ʻ+Oʻ+79ʻ+O8@?" +79Aʻ*89ʻ0 ;=ʻ0;ʻ+79ʻ95+98;*ʻ @8 *49ʻ 0ʻ+79ʻ4* A5ʻ ;ʻ+/!.#7%#)2'3'É *;=ʻ*ʻ:*;=@ *8ʻ?9489+ ;:ʻ *A98ʻ044@8?ʻ ;ʻ+79ʻ+7 4FE ;9??ʻ0ʻ+79ʻ?9C+*ʻ0ʻ+79ʻ0-*8Aʻ0ʻ #!#/2'2'5 ;*B9=ʻ>Aʻ 80;:; *8+ʻ2:*;=9?ʻ?9C+* 9?ʻ ;ʻ@;?95@*ʻ 0/98?# +ʻ0 +9;ʻ7*CC9;?ʻ+7*+ʻ+79ʻ*>?9;+ʻO8:*;?ʻ*89ʻ89C *49=ʻ>Dʻ;94+*E 8 9?ʻG+'!385*;=ʻB*;Aʻ0+798ʻ=4 ;0@?ʻC*;+?I'

CC9;=*:9?ʻO8ʻ*CC9;=4@ *8ʻO8:*;?ʻ*89ʻ *+98*ʻ=9-9 0CB9;+?ʻ 80Bʻ+79ʻ-9:9+*> 9ʻ *5?)1+79ʻ 9*-9?# >8*4+?# ?9C* ?# C9+* ?# ?+*B9;?# *;=4*8C9?

+ʻ7*?ʻ>99;ʻ?+*+9=ʻG ;+80=# Cʻ I# +7*+ʻ 9*-9?ʻ*89ʻ9 +798ʻ 0CCO?+9# /7089=# O8

0 C (%

* +98;*+9 *?* ?0GC I +7*+ +79 08* 08:*;?G4* A5# 4080 *# *;=8094 @B *;= C?+ I *89 ;08B* A / 708 9=" 7@+ / + 7*-9 / *8;9=+79 89*=98 +7*+ -98A 89R@9;+ A + 9 9*-9?0 9*47?98 9?# ;?+9*= 0 08B ;:# *+8@9 / 708 # *89 *88*;:9= ; ?@449?? -9 *++9;9= ?C 8* ?# +70@:7 ?+ 89+* ; ; : +79 ;*B9 0 / 708 ?

& 9 / ;0/ *=-98+ ?0B9/7*+ ; =9+*) H 0 +79 *88*;:9B9;+ 0 !'/('& C80C98 A 0 4* 9=# '/".'!!/"- 9*-9?# *;= %"/2$& G+7 ? >8*;47 0 0+*;A ? 4* 9= %-!!3$/?- 0 +79 *88*;:9B9;+ 0 +79 C9+* ? *;= ?9C* ?# *; *88*;:9B9;+ +98B9= 6'"8/$#385 >94*@?9 + 4*; 0; A >9 ?*+ ? *4+08 A ?+@= 9= >9 089 +79 0/98 95C*;=?

& 79; 9*-9? *89 4 9*8 A / 708 9=# 9 +798 ; +/0? D3..3&#$' 5 +7899?# 0@8?# -9# U4# +79A *89 :9;98* A ?9C*8 *+9= >A 9R@* ;+98-* ?# *;= 40;?9R@9;+ A +79 *84 40BE C8979;=9= >9+/99; +79 >*?9? 0 +/0 40;+ :@0@? 9*-9? ? 9R@* +0 +79 4 84@B 989;49 0 +79 ?+9B# = - =9= >A +79 ;@8;>98 0 9*-9? ; +79 / 708 7 ?* *84 / +7989 089 9B>8*49 7* +79 4 84@B 989;49 +79 / 708 40;? ?+? 0 +/0 9*-9? 0;9 +7 8= 0 +79 4 84@B 989;49 +40;? ?+? 0 +7899 0;9 0@8+7# 0;9 +7# 0;9 ? 5+7# +40;? ?+? 0 0@8# -9# 08 ? 5 9*-9?

+7*?* ?0 >99; 0>?98-9= +7*+ +79 9*-9? 0 * / 708 *89;0+ C *49= = 894+ A *>0-9 +70?9 0 +79 / 708 BB9= *+9 A *>0-9 08 >9 0/ +79B# >@+ 0CCO? +9 +79 ;+98-* ? / 7 47 ?9C*8*+9 +79 9*-9?# *;= 9 +798 95*4+ A 0CCO? +9# 08 +0 0;9 08 +79 0+798 ? =9 0 +79 ;+98-* & 79; +79 9*-9? *89 0CCO? +9# *;= 9*47 C* 8 480??9? +79 @CC98 *;= 0/9\C* 8 *+ 8 :7+ *;:9?# +79 9*-9? 044@CA 0@8 894+ ;9*8 ;9?# *;=# ?99; 80B *>0-9# 08B *480??" ?@47 9*-9? *89)'2+&&/$" D:) '29&&/$/ & 708 ? 0 +7899 08 0@8 9*-9? / ; ; F9 B*;;98 044@CA ? 5 08 9 :7+ 0;:+@= ;* ;9? & 708 9= 9*-9? *89 89 *+ -9 A 9/ B*;A B089 C *;+? 7*-9 0CCO? +9 9*-9?# *;= >A *8 +79 *8:9?+ ;@B>98 7*-9 * +98;*+9 9*-9?" *;= + ? >A +79 *++98 +7*+ +79 *88*;:9B9;+ 0 9*-9? 0; +79 ?+9B B@?+ 9?C94 * A >9 ?+@= 9=

& 9 7*-9 ?99; GC Ml +7*+ +79 /F C89?9;+? -9 9*-9? G # # M# # N I# ?C 8* A *88*;:9= *80@;= +79 ?+9B# ?0 +7*+ +79 0;9 GN I / 7 47 ?@4499=? +79 +7 ? C *49= -98+ 4* A *>0-9 +79 8?+ ; *0;:98 >8*;47# +79 ?9-9;+7 /0@ = >9 C *49= *>0-9 +79 ?940;=# +79 9 :7+7 *>0-9 +79 +7 8=# U0 7 ? ?C 8* *88*;:9B9;+ C89-* ? ; B*;A /00=A *;= 798>*490@? C *;+?# *? +79 '/2%5 !9 5 %'""-5 3&'5 /&.,'""-5 /<$%3"85 .#"/'/5 -$#&9&5 3.!/"5 #!!3<5 9 /2%5 /!! !3#('"5 +#7838K '$$'5 '/"$&'/&'5 "398)&'!5 3..-5 U4

79 ;*+@8* ?+ 7 0;;9+# /70 /*? +79 8?+ +0 0>?98-9 +7 ? *88*;:9B9;+ 0 * +98;*+9 9*-9?# 89B*8F9= +7*+ +79 8 C0 ;+? 0 ;?98+ 0; / 989 ?9C*8*+9= 80B 9*47 0+798 >A 9R@* ;+98-* ?# *;= = ?40-989= ?0B9 B089 40BC 4*+9= *88*;:9B9;+?# *? +7*+# ;?+9*= 0 +79 ? 5+7 9* # + ? 0 +9;+79 ; ;+7 08 9-9; +79 0@8+99;+7 / 7 47 ? C *49= -98+ 4* A *>0-9 +79 8?+# ;= 4*+ ;: *? 798 9? 0 9 :7+ 08 0 +7 8+99; 9*-9? 0=98; >0+*;?+?7*-9 0 0/9= @C +7 ? ?@>D94+# *;= 7*-9 08B@ *+9= *? % (& +79 *4+?/7 47 7 0;;9+7*= ;0+ :9;98* <9=

0 >9: ; / +7 +79 ? BC 9?+ 95*BC 9 0 * +98;*+ 0; 0 9*-9?# +7*+ ; / 7 47 +79 9*-9? * +98;*+9 0; 0CCO? +9 ? =9? 0 +79 ?+9B D # '5 (-5 ! 5 /J'!5 U4 I) *

+789*=' >9' 4*88 9=' 80@ ; =' +>9' ?+9B' ?0' *?' +0' +0@47' +79' ; ?98+ 0 ; ?' 0 ' +79?9' 9*-9?# +' / ' =9?48 >9' *' 89 : @ *8' ?C 8* ' ' 0 ; 9' 0 ' +79?9' 9*-9?' >9' +*F9 ; ' *?' *' ?+*8+ ; : ' C0 ; +# * ; =' ' +79A' >9' 40@ ; +9=' 80B' >9 0 /' @C / *8=?# +' / ! ' >9' C9849 -9=' +7 * +' M ?' *>0-9' H# ' *>0-9' # U4 ' * ; =' * ' *89' *88* ; : 9=# 0 ; ' + / 0' 9R@ = ?+* ; +' -98+ 4* ' 7@9?# >9 ; : ' ?9C*8*+9=' >A' 7 * ' +79' 4 84@B 989 ; 49' 0 ' +79' ?+9B ' 9*-9?' +7@?' C *49=' *89' 4* 9=')#&$#2%39&' G : ' N Q I K å

Y ' +7899' 9*-9?' 40 ; C 9+=' 0 ; 9' +@8 ; ' 0 ' +79' ?C 8* # +79' 0@8+7' / ' 79' -98+ 4* A' *>0-9' +79' 8?+# +79' +7' *>0-9' +79' ?940 ; =# UR # * ; =' * ' / ' 7e' *88* ; : 9=' 0 ; ' +7899' 9R@ = ?+* ; +' -98+ 4* ' ; 9?# * ; =' ?9C*8*+9=' 80B' 9*47' 0+798' >A' *' +7 8=' 0 ' +79 #4 84@BE 989 ; 49' 0 ' +79' ?+9 ; *' @47' 9*-9?' *89' +98B 9=' $"#& 2%39&' G /!#87/!'5)"'?5 * ; =' B * ; A' B0 ; 040+A 9=0 ; ?I ' #

; ' +79' /%5 3 . ! / "5 !9 5 U4 # / 7989' +79' 9*-9?' *89' *88* ; : 9=' ; -9?# * ; =' 044@CA' -9' -98+ 4* ' 9R@ = ?+* ; +' ; 9?' 0 ; ' *' >8* ; 47# +79?9' ; 9?' = - =9' +79' 4 84@BE 989 ; 49' 0 ' +79' >8* ; 47' ; +0' -9' 9R@* ' C08+ 0 ; ?# * ; =' *89' ?9C*8*+9=' >A' * ; ' #*84' 9R@* ' +0' C ; 9 +7' 0 ' +79' 4 84@B 989 ; 49' 0 ' +79' ?+9B ' @+' 7989' +' ?' BC08+* ; +' +0' 89B*8F# +7 * +' # +*F ; : ' 0 ; 9' 0 ' +79?9' 9*-9?' *?' +79' ?+*8+ ; : C0 ; +# / 9' 95*B ; 9' +79' ?@449?? -9' 9*-9?' 0 ' +79' ?C 8* # +79' 9* ' / 7 47' 0 0 / ?' 08' C8949=9?' ; @B>98' 0 ; 9' ?' ; 0+' ? +@*+9=' 0 ; ' +79' ; 9*89?+' -98+ 4* ' +0' +7 * +' +0' / 7 47' ; @B>98' 0 ; 9' >9 0 ; : ?# >@+' 0 ; ' +7 * +' / 7 47' 40B9?' * +98' ; @B>98' + / 0# * ; =' +7 * +' +7 ?' -98+ 4* ' ?' * +' + / 0 +7?' +79' 4 84@B 989 ; 49' 80B' +79' 8?+' 989' +79' ?C 8* ' ?' ; 0+' 40BC 9+9=' ; ' 0 ; 9' +@8 ; ' >A' + / 0' 08' +7899' 9*-9?# *?' ; ' +79' + / 0' C8949= ; : ' 4*?9?' 08' +79' ; +98-* ?' >9699 ; ' +79' -9' 9*-9?' *89' ?@47' +7 * +# >9 089' *88 - ; : ' * +' +79' ? 5+7# / 7 47' ?' BB9= *+9 A' *>0-9' +79' 8?+# +79' ?C 8* ' C*?? ; : ' +780@ : 7' +79 8' C0 ; +?' 0 ' ; ?98+ 0 ; ' / 0@ =' B * F9' + / 0' 6BC 9+9' +@8 ; ?' 80@ ; =' +79' ?+9B ' ; +79' = ?+* ; 49' >9+ / 99 ; ' +79' 9*-9?' / ' +7989 089' >9' + / 0 +7?' 0 ' +79' 4 84@B 989 ; 49' 7 ?' *88* ; : 9B9 ; +' ?' 4* 9=' +79' M9#82(8?

79' ; * B9' 2-2! " #&' 7#(' 8' +0' *' ?A?+9B' 0 ' 9*-9?' ; ' / 7 47# * +98' 0 ; 9' 08' B089' +@8 ; ?' 0 ' +79' ?C 8* # *' 9* ' ?' 0@ ; =' B B9= *+9 A' *>0-9' +79' 0 ; 9' 80B' / 7 47' / 9' ?+*8+9=# * ; =' >9 : ; ; ; : ' *' ; 9 / ' ?98 9?' 0' 0>+* ; ' *' 40BC 9+9' =9* 0 ' +79' 4A4 9# / 9' B@?+' +7989 089' 40 ; ? =98# >9? =9?' +79' ; @B>98' 0 ' 9*-9?' / 7 47' 40BC0?9' +# +79' ; @B>98' 0 ' ?C 8* ' +@8 ; ?' +79A' 044@CA

79' * ; : 9' 0 ' = -98 : 9 ; 49' 0 ' + / 0' 40 ; ?94@+ -9' 9*-9?' ?' B9*?@89=' >A' +79' *84' >9+ / 99 ; ' +79B ' 7@?' +79' 8*4+ 0 ; ' 95C89??9?' +79' * ; : 9' 0 ' = -98 : 9 ; 49' 0 ' $"#>' &$#2%39&' 9*-9?# * ; =' +79' 8*4+ 0 ; ' : ' +79' * ; : 9' 0 ' = -98 : 9 ; 49' 0 ' M9#8298?' 9*-9?' ?' +0')#&$#2%39&' 9*-9?# +79' +98B ' * ; : 9' 4* ; 0+' *CC A' +0' +79 8' = -98 : 9 ; 49# >9 ; : ' 7* ' *' 4 84@B 989 ; 49# >@+' +' ?' 95C89??9=' >A' +79' 8*4+ 0 ; ' 79?9' 8*4+ 0 ; ?' 7*-9' 08' +79 8' ; @B98*+08' +79' ; @B>98' 0 ' +79' ?C 8* ' +@8 ; ?' 0 ' / 7 47' +79' 4A4 6 ?' 40BC0?9=# *' ; =' 08' =9 ; 0B ; *+08' +79' ; @B>98' 0 ' 9*-9?' ; ' +79' 4A4 9# 08# +0' ?C9*F' B089' 95*4+ A# +79' ; @B>98' 0 ' ?C*49?' ?9C*8*+ ; : ' +79' C0 ; +?' 0 ' ; ?98+ 0 ; ' 0 ' +79?9' 9*-9?' ' 4A4 9' B*A' +7989 089' >9' =9? : ; *+9=' >A' +79' 8*4+ 0 ; ' 95C89?? ; : ' +79' * ; : 9' 0 ' = -98 : 9 ; 49# ? ; 49' +79' =9 ; 0B ; *+08' 0 ' +7 ?' 8*4+ 0 ; ' ; = 4*+9?' +79' ; @B>98' 0 ' 9*-9?# * ; =' +?' ; @B98*+08' +79' ; @B>98' 0 ' +@8 ; ?

9? =9?' +79' +7899' 4AB 9?' B9 ; + 0 ; 9=' *>0-9# =9? : ; *+9=' >A' +79' 8*4+ 0 ; ?' [# /9 ; =' 4A4 9?' 0 ' 9 : 7' 9*-9?' ; ' +7899' +@8 ; ?# 9 ' [' +7 8+99 ; ' 9*-9?' ; ' -9' +@8 ; ?# ' + / 9 ; +A 0 ; 9' 9*-9?' ; ' 9 : 7' +@8 ; ?# +7 8+A 0@8' 9*-9?' ; ' +7 8+99 ; ' +@8 ; ?# '

+A -9 9*-9? ;+/9;+A 0;9+@8;?# É 9 : +A ; ;9 9*-9? ;+7 8+A 0@8 +@8;?# 16.
0;9 7@;=89=*;= 08+A 0@8 9*-9? ; +A -9+@8;?# A&\
0/# /9 *88*;:9 +7 ? ?98 9? 0 8*4+0;? C80:89?? -9 A

?9-98* 4@8 0@? *;*0:9? / *CC9*8# 0 /7 47 +79 B0?+ ?+8 [;: ?# +7*+ 9*47 8*4E
+0;7*? 08 +? ;@B98*+08 +79 ?@B 0 +79 ;@B98*+08? 0 +79 +/0 I8949= ;: 8*4+0;?#
;= 08 =9;0B ;+08 +79 ?@B 0 +79 +/0 C8949= ;:=9;0B ;*+08? ; F9 B*;;98*;A
0;9 0 +79?9 8*4+0;? B*A >9 0>+* ;9= >A +*F ;: +79 +/0 8*4+0;? /= 47 BB9E
= *+9 A 0 0/ +# *;= ;= ;: +79 R@0+9;+ 0 +79 8 ;@B98*+08?6;= =9;0B ;*+08?
+ ? 9*?A +0 0>+* ;+79?9 8*4+0;? /79;+79 9*-9? *89 ;9 +798 +00 = ?+*;+ ;08 +00
480/=9= 0;+79 ?+9B # *? 0 +9;7*CC9;? 79 ?C 8* /7 47 +*F9? ;* +79 9*-9? ?
4* 9= *X."# #$#('?C 8* @+ +79 ;+98;0=9? *89 0;:# +79 9*-9? 40;?9R@9;+A
89B0+9# *;= +79 4A4 9 40BC0?9= 0 *40;?=98*> 9 ;@B>98 0 9*-9?# + >940B9? = E
4@ + 0 *?498+* ;>A ;?C94+0;/7 47 9* ? -98+4* +0 +79 8?+# *;= 79;49 +0 9?+E

B*+9 +79 *;:9
0 =-98:9;49 >9E
+/99;+/0 40;E
?94@+-9 9*-9?
7 ? >940B9? ?+
B089 = 4@ +/79;
+79 9*-9? *89
480/=9=# *? ;+79
80?9++9? 0 +79
99&"%"!25 ;!/8K
$/#8& *;= 0+798
?0 4* 9= &$' !'&&
C *;+?# ;+79
>8*4+? 06 79*=?
B "$#2!9#%# ;
+79 ?4* 9? 08 0C9;
4*8C9 ?/7 47 40BE
C0?9 +79 40;9?
0 #8'&5 #"&5
/"2%'&5 $F2
;+79 4*?9
0 480/=9= 9*-9?#
/9 4*;# 70/9-98#
>A *+ - A ? BC 9
4* 4@ *+0;# *?498E
+* ;+79 *;:9 0
= -.98: ;99# *;=
+7@?=9+98B ;9+79

1/,:,6,?0 -1,/7 *F9# 2/ 95*BC 9# *?+9B >9*8 ;: *?98 9? 0 4A4 9? 0 9 :7+

9*-9? B0=98*+9 A ?9C*8*+9= 0; +7899 +@8;? 0 +79 ?C 8* +79 4A4 9 / >9 9*? A 8940:; <9=# *;= +79 95C89?? 0; 0 +79 *;: 9 0 = -98:9;49 / >9 7 ? *88*;:9E B9; 0>+* ;? ; B*; A ?@44@ 9; C *;+?# *;= 9?C94 * A ; 9=+@; '!' .%(## @CC0?9 +79 ?+9B +0 >9 ?708+9;9=# ?0 +7*+ +79 9*-9?2>940B9 480/=9= ;+0 *80?9++9# 0 0/? +7*+ +79 ?C 8* / >940B9 *-98A 4 0?9 ;9# 40BC*8*> 9 +0 *& *+47 C8;:0 /7 47 +79 40 ? 40;+8*4 ;*CC80*47;:+79 *5 ? G : Q 4I 9 ;? ?@CC0?9# @8+798# +7*+ +79 ;;98 9;= 0 +7 ? ?C8;:89C89?9;+? +79 +0C 0 +79 ?C 8* # *;= +? 0@+98 95+89B +A +79 >*?9 + ? 0>- 0@? +7*+ 0; +7 ?= 9C89??9= C 8* +79 9*-9? ;9*89? + +79 49;+89 /0@ = 7*-9 >99; +79 ;9*89? + +0 +79 +0C 0 +79 B089 0C9; ?C 8* # *;= +70?9 ;9*89? + +79 4 84@B 989;49 /0@ = 7*-9 >99; +79 0/9? 30/6 F;0/ ;:+79 *;: 9 0 = -98:9;49 0 +79 9*-9? 0 ')9 ;; *; 08B * ?+*+9# + 89B * ;? +0 ;= + 08 +79 ?*B9 9*-9? :*+7989= ;+0 *80?9++9 0 +7 ? + ?@ 49? +0 89C89?9; + 08 C *; +7899 08 0@8 4A4 9?# 0 +7899 9*-9? 9*47# *4408=;:+0 +79 8*4+ 0; # +7*+ ?# 9*47 4A4 9 +0 40;+* ; 9 :7+ 9*-9?# +7*+ ?7* 044@CA +7899 +@8;? 0 *8 :7+ +0 9 + ?C 8* # *;= >9 ?9C*8*+9= >A *; *84 9R@* +0 0 +79 4 84@B 989;49 G : Q / 4 84 9 B@?+ +79; >9 =8*/; *80@;= +7 ? ?C 8* # 0 /7 47 +79 8*= @? ?7* D0; +79 +/0 95+89B +9? 0 +79 ?C 8* + ? >A B9*;? 0 +7 ? 4 84 9 +7*+ /9 B@?+ >9 :@ =9= ; *A;:=0/; +79 *;:@ *8 = -98:9;49 0 +79 9*-9?# /7 47 >9 ;: # + 0 0/? +7*+ +79 4 84 9 B@?+ >9 = - =9= ;+0 9 :7+ 9R@* CO8+ 0;? >A *? B*;A 8*= # /79; +7899 0 +79?9 CO8+ 0;? / 89C89?9;+ 0 +79 4 84@B 989;49# 08 ; 0+798 /08=? +79 *;: 9 0 = -98:9;49 7 ? =0;9# /9 C *49 *;@B>98 GHI 0; +79 CO? + 0; 0 +79 8?+ 9* # /7 47 ? /7989 +79 ?C 8* +0@479? +79 4 84@B 989;49 +79; 0 0/ +79 40 ? 0 +79 ?C 8* # *;= * +98 4 9*8;:+79 +7899 8?+ *84? G 0 +79 4 84@B 989;49I ;= 4*+9 +79 CO? + 0; 0 +79 ;95+ 9* G I# /7 47 / 79 *+ +79 ;+98?94+ 0; # 0 +79 ?C 8* *;= 8*= @? /7 47 >0@;=? +79 +7 8= *84 *;= ?0 0; # * 9* CO? + 0; >9;:B*8F9= *+ +79 ;+98?94+ 0; 0 9-98A +7 8= 8*= @? / +7 +79 ?C 8* +79 49;+89 0 +79 ?C 8* >9;:89*479=# +79 C *; / 89C89?9;+ +79 9;+ 89 ?98 9? 0 9*-9?# ;@B>989= ;08=98

9+ ;? ;0/95*B ;9 +79 89 *+ -9 CO? + 0;? 0 +79 9*-9?# *? ;=4*+9= >A +79 8 ;@ 6 /9 95*B ;9 +79 8*= @? >9*8;: 9* 30 H# /9 ?7* 00 *>0-9 +0;+79 ?*B9 8*= @?# 30? Q *;= HO# +79 = 989;49 >9+/99;/7 47 ? 9:7+# *;= + ? 0>- 0@? +7*+ +7 ? 708 <0;+* 8*= @? /0@ = 89C89?9;+ *-98+ 4* ;9 0; +79 ')9 ?+9B# * 0;: /7 47 +79 9*-9? H# Q# *;= HO *89 ;?98+9=# 9*47 B*8F;:+79 40BB9@49B9;+ 2 * 4A4 9 *? * ?0 +7*+ +79?9 9*-9? *89 ?9C*8*+9= >A +7899 +@8;? 2 +79 ?C 8* 0BE B9;4;:* +;A 0+798 8*= @? G?*A 30? # H # H # U4 I# +79 89?@ + ? +79 ?*B9# +79 8*4+ 0; >9;:4 9*8 A 95C89??9=

7989 *89 0+798 89 *+ 0;? >9+/99; +79?9 9*-9?# /7 47 +7 ? C *; 4 9*8 A =9B0;E ?+8*+9? 7@?# >9+/99; 30? H *;= # ? +@*+9= 0; +79 ;95+ 8*= @? +0 +79 9 +# +7989 ? *= 989;49 0 +7899 +79 ?*B9 >9+/99; *;= O# U4 *;= +*8+;:80B 9* 30 08 M# /9 ?7* ;= +79 ?*B9 ;@B98 4* 89 *+ 0;? *? ; +79 8?+ ;?+*;49 +79 ;@B>98 95C89?? ;:+79 = 989;49 GMI >9;:+79 ?*B9 *? +7*+ 0 +79 ?98 9? / 9 ;0/=8*/*; 9# +780@:7 +79 CO? + 0;? 0 * +79 9*-9? 0 9*47 ?98 9?# /9 ?7* ?99 +7*+ 9*47 ;9 ? *CO8+ 0; 0 *?C 8* # *;= +7*+ +79?9 +7899 C*8+ * C 8* ? +*F9 +79

?*B9 = 894+ 0;# * *= ;4 @=9 / +7 ;+79 8 40@8?9 +79 C0 ;+? 0 ;?98+ 0; 0 * +79
9*-9?
,
0;+79 0+798 7*;=# ?+*8+ ; : 80B 0 H# / 9 95*B ;9 +?89 *+ 0;?/ +7 0 N#
0;+79 8*= @?;95+ +0 +79 8 :7+# / 9 7= >9+/99;+ 9 ; *= 989;49 0 -9 *;=
? B *8 A / +7 N *;= HH# HH *;= HN# U4 *;= >9+/99; 0? *;= O# *;= 0?H #
HO *;= # *;= * 0;+79 ?98 9? 40BB9;4 ; : / +7 *;= 989 *:* ;# 80B 0
+0 8 :7+# +79 ;@B>98 95C89?? ; : +79 = 989;49 40889?CO;=? +0 +7*+ 0 +79 ?98 9?#
*47 0 +79?9 ?98 9? B*A >9 ?70/; BO89 4 9*8 A >A B9*;? 0 * 4@8-9= ;9 @;+ ; :
* +79 9*-9? / 7 47 40BCO?9 +# *;= / 9 ?7* +79; 7*-9 -9 ?9:B9;+? 0 * ?C 8*
+@8; ; :?ABB9+8 4* A 80B 9 + +0 8 :7+# *;= C*?? ; :+780@:7 +79 ;?98+ 0;? 0 *
+79 9*-9? 79?9 ?9:B9;+? 0 +79 ?C 8* 7*-9 >99; +98B9= &'238)/"- &.#"/!&5 +0
= ?+ ; :@ ?7 +79B 80B +79 C8 B + -9 ?C 8* # * ?0 $'" ')'7'8'"/$#87 ?C 8* 0/ +
/ >9 89B*8F9= +7*+ +79 ?940;=*8A ?C 8* ? C80499= ; : 80B 8 :7+ +0 9 + *89 +7899

Q N 0?9++9 O8B ;:+/0 4A4 9?0 9 :7 96 -9#
0 / 7 47+79 *;:9 0 = -98:9;49 ?

Q 0?9++9 O8B ;:* 4A4 9 0 +7 8+99; 9*-9# 0
Y/7 47+79 *;:9 0 = -98:9;49 ? +79 *5 ? / 7989
+79A 89 ;?98+9=# >9*8? -9 +@8;?0 +79 ?C 8* # ?70/E
;:+79 CO ;+0 ;?98+ 0;0 9*47 9*

; ;@B>98# / 7 47 ;@B>98 ?+79 ;@B98*+08 0 +79 8*4+ 0; *;=+7*+ +79 ?@B 0
+79?9 +7899# *;=0 +79 -9 :0 ;: 80B 9 + +0 8 :7+# ?9 :7+# 08 +79 =9;0B ;*+08 0
+79 8*4+ 0; +7989 089 + ? CO?? > 9 +0 40@;=*8A ?C 8* ? +0 9 + *;=
8 :7+# 0 80?9++9?# ;-0 @48* >8*4+?# 08 ?4* 9?0 ;9 40;9?# ; * 0 /7 47 +79
C8 B + -9 ?C 8* ?0>?4@89= >A +79 4 0?9;9??0 +79 C*8+?# /9 B*A *??@B9 +7*+ +79
?B* 98 ;@B>98 89C89?9;+? +79 ;@B98*+08# *;= +79 ?@B 0 +79 + /0 ;@B>98?+79
=9;0B ;*+08 0 +79 =9? 89= 8*4+ 0; /7 47 *:* ; : -9?+79 *;: 9 0 = -98:9;49# +79
;@B>98 0 9*-9? ; +79 4A4 9# *;= +79 ;@B>98 0 +@8;?0 +79 ?C 8* /7 47 +79A
044@CA

7 ? 480/=;:0 +79 9*-9?# / 7 47 /9 7*-9 @?+8*+9= >A)9 5 ? 89R@9;+
*B0;:?+ C *;+? / +7 8*= 4* 9*-9?# ; B*;A 0 /7 47 +79 4A4 9 0 +79 9*-9? ?
;=4*+9= >A +79 8*4+ 0; G 3 38 !/8$/#85 : NQ %

79 ;@B>98 0 ?940;=* A ?C 8* ? +0 8 :7+ *;= 9 + >9 ;: F;0/;# + ? 9*?A +0
;@B>98 9*47 9* ;+79 C8 B + -9 ?C 8* *F9# 08 95*BC 9# +79 80?9++= G : Q 4#
/7 47 89C89?9;+?* 39&'!''F5 08 +79 40;9 0 +79 + /"#$# ' #8'' G : Q) 79 8

; : 9 0 = -98:9;49 ? / 7 47 ? 9? A 0@;= 7A 40@;+ ; : +79 -98A 0>- 0@?
?940;=*8A ?C 8* ? +0 8 : 7+ *;= 9 + & 9 7*-9 0; A * @=9= +0 +79 B0?+ 0>- 0@?
?940;=*8A?C 8* ?" >@+ + / 89*= A >9@;=98?+00=
+7*+ +7989 *89 B*;A 0+798?# ?0B9 B089# ?0B9 9??
0> R@9+7*;+79?9# *;=+7*+ 9-98A;@B98 4* ?98 9?
7*- ; :+79?*B9 89 *+ -9 = 989;49? >9+ / 99;+79B
/0@ = >9 *? ?C 8* 79 ?940;=*8A ?C 8* ? *89
9?C94 * A - ? > 9 ; #8 '40;9?# +79 *5 ? 0 / 7 47
? B@47 0;:98 +7*;+7*+ 0 +79 39&'!''F5 *;=
;/ 7 47+79A 08B -98A= ?+ ;4+ A B*8F9= C*8* 9
?98 9? ,

9: ;>A D @B>98 ; :*? H 0;9 0 +79 0@+98 9*-9?
0 +79 8 ?9++9# 08 0 +79 0 / 98 ?4* 9? 0 +79 40;9#
*;=89:*8= + *?+79 8?+ 0 *?940;=*8A ?C 8*
+@8; ; : 80B 9 + +0 8 : 7+ 0 ; = 0 ; +# 89E
B9B>98+7*+79;@B>98?0 *?940;=*8A?C 8* B@?+
>9 ?9C*8*+9= >A *?C*49 9R@* +0 +79;@B>98 0 +79
?940;=*8A?C 8* ? 0 / 7 47+7 ? 08B? *C*8+ *;=
*? +7989 *89 -9 C*8* 9 9 + +0 8 : 7+ ?C 8* ?# +79
?940;= 9* 08 ?4* 9 B@?+ >9 ;@B>989= N # +79 +7 8=
HH # *;= ?0 C@ +0 +79 +0C 0 +79 40;9# 08 49 ;+89 0
+79 80?9++9 *- ; :+7@?;@B>989= * +79 ?4* 9?
08 9*-9? 0 0;9 0 +79 -9 C*8* 9 ?940;=*8A 9 +
+0 8 : 7+ ?C 8* ?# +79?9 ;@B>98? B*A ?98-9 *? ?+*8+E
; : C0 ;+? 0B / 7 47 +0 ;@B>98 * +79 0+798
?4* 9? 08 9*-9? 0 +79 40;9 08 80?9++9 & 9 F;0 /
+7*+ 9*47 0 +79 ;@B>989= 4* 9? 08 9*-9? 0
+79 ?940;=*8A 9 + +0 8 : 7+ ?C 8* 9R@* A 08B?
0;9 ;+79 ?98 9? 0 +79 8 : 7+ +0 9 + ?C 8* ?# *;= /9
B*A ;@B>98 * +79 9*-9? 08 ?4* 9? 80B *;A
?+*8+ ; : C0 ;+# >A *== ; : +79 /79;+@8; ; :+0 +79 8 : 7+# *;= /79;+@8; ; :+0
+79 9 +

#$%&' 0;9 0 *8 + B9 ;9# / +7 +79 ?4* 9?
B B>989= *4408= ; :+0 +79 8 89 *+ -9 79 : 7+?
79 0*0?+ 0>- 0@? ?940;=*8A ?C 8* ? *89 08B9=
+0 +79 8 : 7+ >A +79 ?98 9? 0 ; @B>98? 7 -9?
+79 9 + >A +79 ?98 9? 0 ; ?B>98? ; 9 : 7+?

9+@? +*F9# 08 95*BC 9# 0 M +7 ?;@B>98 ;+79 9 + +0 8 : 7+ ?C 8* / 0@ =
G*== ; : N f *= @? +0 0 MO# MO 9*=? +0 # *;= ?0 0; >@+ ? ;49 0 M * ?0
9;+98? ;+0 0;9 0 +79 9 : 7+ ?940;=*8A 8 : 7+ +0 9 + ?C 8* ?# +79 9* 08 ?4* 9 ?@4499=E
; : + ;+7 ? ?C 8* ? 70@ = >9 ;@B>989= M # 9 ' *;= 0 0 / ; :+7 ? ?C 8* # >A
== + 0;? 0 # /9 ?70@ = 7-9 # # N # O # U4

0 0>+* ; ;+79 ?*B9 ?C 8* +79 ;@B>98? >9 0 / # /9 B@?+ =9=@4+79 ;@B>98
/ 7 47 /9 7*= >9 089 *==9=# *;= /9 ?7* 7*-9 ?@449?? -9 A M # # HN#

;?+*8+ ; : 80B +79 ?*B9 0 # /9 =9?49;= +79 ?940;=*8A ?C 8* / 7 47
+@8;? 80B 9 + +0 8 : 7+# /9 B@?+ +*F9 80B M # /79;/9 ?7* 7*-9 ?@449?? -9 A
O# # HO# H # O# # 9f4

+79 9*-9? 08 ?4* 9? 0 +79 80?9++9 08 40;9 >9 ; : ;@B>989=# +79 8 ?@449?? 0;

;= 4*+9?'+79' :9;98*+ ; :'?C 8* ' ', @+'+79' = 894+ 0;' 0 '+7 ?' :9;98*+ ; :'?C 8* ' 80B' 9 +' +0' 8 :7+#' 08' 8 :7+' +0' 9 +#' =9C9;=?' 0;'+79' *; : 9' 0 ' = -98:9;49' '+79' 8*4+ 0;' 79' # 08 08' H6#' *;='?0' 0;#'+79' C8 B + -9' 089':9;98*+ ; :'?C 8* ' / ' 0 0/'+79' B0?+;@B9 80;?' ?940;=*8A'?C 8* ?' >@+' '+79' 8*4+ 0;' >9' 08 S 08 #%' U ' +79' :9;98*+ ; : ?C 8* ' / ' 0 0/'+79' 9*?+' ;@B980@?' ?940;=*8A'?C 8* ?

*F9# 08' 95*BC 9#+79' 8*4+ 0;' G :' Q' *I#*;=' 9+' @?' 95*B ;9'+79' 89 *+ 0;'>9E +/99;'+79' :9;98*' ', + ; :'*;='?940;=*8A' ?C 8* ?' &7*+9-98' B*A' >9' +79' = 894E + 0;'0'+79' :9;98*E + ; :' ?C 8* # +79' 9*?+' ;@B980@?' ?940;=*8A' ?C 8* ?' B@?+' 0 0/' +79' ?*B9# *;=' (#2' ('"&/' @CC0?9'+79' ?C 8* '+0'>9'*8 :7+' +0 9 +' 0;9# *?' ;' Q'/5' +' 0 0/?' +7*+#' C *4 ;:' 0' H/7989'+79'8*=@?' +0@479?' +79' 0@+98' 9;=' 0'+79' ?C 8* # *;=' ?@449?? -9 A' ;@B>98 ;:' +79' 9*-9?' 80B' '+0' # +79' ;9*89?+' 8*=@?' +0'+79' !':$ /' >9' 044@C 9=' >A'*' 9*' >9 089'+79' ;9*89?+' 8*=@?' +0'+79' "#7%$' 79' 8?+' 9*' 0;' +79' 9 +' 8*=@?' / '

NQ' ' 8 B + -9' ?C 8*' 80B' 8 :7+' +0' 9 +#' >9*8 ;:' -9' 4A4 9?# 9*47' 0 '+7 8+99;' 9*-9?# ;= 4*+9=' >A' +79' ;@B>989=' C0 ;+?# *;=' ;?9 ,+9=' 0;' -9'+@8;?' 0 '+79' ?C 8* ' 79' ?940;=*8A' ?C 8* ?# 08B9=' +0'+79' 8 :7+' >A' +79' ;@B>98?' ;' -9?# *89' ;= 4*+9=' >A' +79' ;9 A' =0+9=' ;9?' +79' ?940;=*8A' ?C 8* ?# 08B9=' +0'+79' 9 +' >A' +79' ; @@>98?' ;'9 :7+?# *89' ;= 4*+9=' >A' +79' ;9?

9- =9;+ A' 79' 0' '' 08' +' / ' 044;8' * +98' +8*-98? ;:' +7899' dA G [I' +7*+' ?# * +98 0;9' 9;+ 89' 89-0 @+ 0;# C ;?' & *;=' 40;?9R@9;+ A' 0;' +79' 9 + 7*;=' 8*= @?' ;9*89?+' +79' 0;9' 80B' /7 47' /9' ?+*8+9=' 79' 9*' /7 47' /' >9' 0@;=' 0;' +>9' 8 :7+' 8*= @?' / '9- =9;+ A' 79# 0' N# 08' +' / '044@8' * +98' -9' + B9?' ' G PI\' >7*+' ?# * +98' 0;9' 89E -0 @+ 0;' B ;@?' #' *;=' 40;?9R@9;+ A' 0;' +79' ;9*89?+' 8 :7+ 7*;=' 8*= @?' 0/' /9 F;0/'+7*+'+79' ;@B>98' 0' ?940;=*8A' ?C 8* ?' ?' 9R@*' +0' +>9' = 989;49' >9+/99;' +79' ;@B>98?' 0'+/0' 40;?94@+ -9' 9*-9?' ;' 0;9' 0 '+79?9' ?C 8* ?' +7989 089# ' /9' ?@CC0?9' +79' 8*4+ 0;'+0' 79' +79' ;@B>98' 0 '+79' ?940;=*8A' ?C 8* ?' 80B' 8 :7+'+0' 9 +#' +7*+' ?# 0 ' +79' ?940;=*8A' ?C 8* ?' /7 47' 0 0/'+79' = 894+ 0;' 0 '+79' :9;98*+ ; :'?C 8* # / ' 79' 9??

+7*;'+79' ;@B>98' 0 '+79' ?940;=*8A' ?C 8* ?' / 7 47' 0 0/' *@' 0CC0? +9' = 894+ 0;' 79' ?*B9' 89?@ +' 4*;' >9' 0>+* ;9='80B'+79' ?@4499= ;:' 8*4+ 0;?

;'+79' 40;+8*8A' G :' Q' 'I# / +7'+79' 8*4+ 0;?' Y0# PD# # *;='?0' 0;# /9' ;='+7*+ +79'8 :7+ 7*;='8*= @?' ?'044@C 9='>A' *' 9* '?00;98'+7*;'+79' 9 + 7*;='0;9# *;='+7*+' ;'40;?9R@9;49'+79' ;@B>98'0 '+79' 8?+' 9* '0;'+79'8 :7+ 7*;='8*= @?' ' 9??'+7*;'+79' ;@B>98'0 '+79' 8?+' 9* '0;'+79' 9 + 7*;='8*= @?' 7989 089'+79';@B>98'0 '?940;=*8A' ?C 8* ?' / 7 47' 4*;'>9' 0 0/9='80B' 9 +'+0'8 :7+' ?' 9??'+7*;'+70?9' 80B'8 :7+'+0' 9 +# 08# ;'0+798' / 08=?# +79' BO?+';@B980@?' ?940;=*8A' ?C 8* ?'+@8;' ;'+79' ?*B9' = 894+ 0;' *?'+79' :9;98*+ ;:' ?C 8* # *;='F;0/ ;:'+79' = 894+ 0;'0 '+79' 0;9# /9' F;0/'+79' = 894E + 0;'0 '+79' 0+798

79' = 894+ 0;'0 '+79' :9;98*+ ;:' ?C 8* '-*8 9?' ;0+' B989 A' ;'+79' ;= - =@* ?' 0 '*' ?C94 9?# >@+' ?0B9+ B9?' ;'+79' ?*B9' ;= - =@* ' 7@?# ;'40;9?' 80B'+79' ?* ;9' ?C94 E B9;'0 ' + /"#$# "' #8'5'8 :7+ +0 9 +' ?940;=*8A' ?C 8* ?' / ' >9' BO89' 89R@9;+' ;' ?0B9# *;='9 + +0 8 :7+' ;'0+798?" >@+' ;'* '4*?9?'+79' 89 *+ -9' = 894+ 0;'0 '+79' :9;98*+ ;:' ?C 8* ' 0 0/?'+79' * /D@?+'9;@;4 *+9=

79' *;: 9' 0 ' = -98:9;49' +?9 ' ?' 40;?+*;+' 0; A' ;'+79' 8*4+ 0;?' $# #' *;='/79;'+79?9' 4A4 9?' *89' BO89' ;@B980@?# +79' 0;9' ?' 0 +9;' ?@>?+ +@+9='08' +79' 0+798# / 7 47' ?' 0/ ;:'+0'+79' = ?+*;49' >9+ / 99;'+79B' >9 ;:' 95+89B9 A' ?B* # *;='+0'+79' *4+' +7*+' +79' *;: 9?' 95C89??9='>A' +79' 8*4+ 0;?' U4 # ' 89=@49='+0 =9:899?' *;='B ;@+9?'0' = 98'>A' *' 9/' B ;@+9?' 0; A" ?0'+7*+'+79' *;: 9?' 0 ' = -98:9;49' *4+@* A' 0?4 *+9' >9+ / 99;'HMOi' *;='HM i' ' ? :7+' + / ?+' 0 '+79' ?+9B' 08' *5 ?' ?' ?@ 4 9;+' +0' *440@;+' 08' ?0' ?B* ' *' -*8 *+ 0;# *;='B*A' / 9 ' 044@8' ;' 80?9++9?' 0 ' 9*-9?# ;' ;-0 @48*' '>8*4+?# *;='; 40;9?# *;='4*?+' *'=0@>+' 0;'+79' -* @9' 0 '+79' *;: 9' 0 '=-98:9;49' 7@?# ;' #8'&G :' \ Z') 5'+7='894+ ;9*8' ?98 9?' ;=4*+ ;:'+79' ?@4E 49?? -9' 4A4 9?' B*A'=9- *+9' BO89' 08' 9??'+0'8 :7+' 08' 9 +# ?0'+7*+'+79' ?940;=*8A' ?C 8* ?# / 7 47' / 98'9'+79' BO?+'0>- 0@?' *+'+79' >*?'9' 0 '+79' 40;9# >940B9' 9??' ?0' ;' *?49;= ;:# *;='89;=98' +'= 4@ +'+0' =9+98B ;9' ?@47' 8*4+ 0;?' *?' ' 47*;:9' ;' +79 ?7*C9' 0 '+79' ?+9B' / ' * ?0' 9*='+0'+79' ?@>?+ +@+ 0;' 0 '0;9' 4A4 9' 08' *;0+798# *?' ;' 498+* ;' /2$# / +7'8 >>9='08' *;:@ *8' ?+9B?' >9*8 ;:'+@ +?' 0 '68 40=9?# *;=' / 70?9' 8 >?' =0@> 9' *?'+79A' *?49;=# *;='0 98' 4A4 9?' 0 '*' 7 :798';@B>98

*?+ A# +7989' *89' 9549C+ 0;*' 4*?9?' / 7 47' C98C 95' +79' ?+@=9;+' 0 ' 7A 0+*5A" +79' *>0-9 ;*B9=' 8*4+ 0;?' *89';0+'+79' 0; A' 0;9?' / 7 47' B*A'>9' 0>?98-9='U4 # =0' 044@8# +70@:7'-98A'8*89 A" >@+' / 79;'+79A' =0# +79A' C89?98-9' *B0;:'+79BE ?9 -9?'+79' ?*B9' 89 *+ 0;?' *?'+79' C8949= ;:# 9'+7*+'9*47' ?@449?? -9' 8*4+ 0;' B*A'>9' 0>+* ;9='>A'+79' *== + 0;'0 '+79' ;@B98*+08?' *;='=9;0B ;*+08?' 0 '+79' + / 0' C8949= ;:' &9' 7*-9' ?99;'+7*+' / 708 9='9*-9?' C89?9;+' *' ?@449?? 0;'0 '4 84@ *8' :80@C?" >@+' 7989' * ?0# *?' ;'* +98;*+9' 9*-9?# +79' ?C 8* ' *88*;:9B9;+' ?' = ?498;>9 ' ;' *' >8*;47' 0 ' !'/8)''"5 08' ;?+*;49# / 7989' +79' 9*-9?' *89' / 708 9='; '+7899?# *' 89 *+ 0;' 95 ?+?' >9+ / 99;' *;A'+7899' -98+ 4* A' ?@C98 BC0?9='9*-9?' 0 '?@449?? -9' / 708 ?" *;='*' ;9' ?@449?? -9 A' C*?? ;:'+780@:7'+79 8' ;?98+ 0;?' / ' =9?48 >9' *' 89:@ *8' ?C 8* " *;=' ' /9' 95*B ;9'+79' 89 *+ 0;?' >9+ / 99;'+79' 0+798' 9*-9?' 0 '+79?9' / 708 ?# / 9' ?7* ' C9849 -9' +7*+'+79' ;@B>98' 0 ' / 708 ?' 89C89?9;+?' *?' B*;A' C*8* 9 '?C 8* ?' *?'+7989' *89' 9*-9?' ;' 9*47' 0 '+79B

&$#(/$#38 G."2' !3"/$#35 2'&$#(/$#3 ?+79 *88*;:9B9;+ 0 +79 08* 08:*;? ;+79 >@=* ;= ?0 9?C94 * BC08+*;49 ;89?C94+ 0 +79 4* A5 *;=4080 *
79 9*-9? 0 9*47 08* /708 B*A 79 ;?98+9= 95*4+ A *+ +79 ?*B9 9-9 G 08B ;:* +8@9 /708 I# 08 *+ @;9R@* 79 :7+?# /79;+79A 08B * =9C89??9= ?C8*# +79 0/9?+ 9* 0 /7 47 ?;949??*8 A +79 0@+98B0?+ 79 +8@9 /708 C89?9;+?+/0 B0=9? 0 *9?+ -*+ 0;1+79 (/!(/$'* ;= +79 238$3"$')
H ! ?+ -*+ 0;?(/!(/$' (/!(/"#& /79;+79 40;+ :@0@?9=:9? 0 +79 C*8+? +0@47 +780@:70@+ 79 8 9;:+7# F9 +79 +/0 9*-9? 0 *=008 G N / *;= + ? +79;;9*8 A * /*A?89:@ *8 + ? #8)9. 2/$#(' G'' #8)9. 2/$#(/ /79;+79 40;+ :@0@? C*8+? 407989 >A *' C*8+ 0 +79 8 >*4F " ')9.!#2/$#(' D2'' "')$#.!#'/$#(/ /79;>A *' C*8+ 0 +79 8 *49?

N '*' * -*+9 ?9?+ -*+ 0; N ' ' "* -*+9 ;=@C 4*+ -9 *9?+ -*+ 0; NH' "* -*+9 89=@C 4*+ -9 *9?+ -*+ 0; (& ') / 2' (& 'L"4 * ' / /

G :' NHI ' $!?+ -*+ 0;? $<#&$')' 08 238$3"$')' D238$3"$/' /79;+79 9*-9? *89 ?0 C *49=+7*+9*47 9* 'C*8+ * A 40-98? 0;9 0 '+79 +/0 >9+/99;/7 47 + ? C *49=# *;= ? ? B *8 A 40-989= >A +79 0+798# *? 9*47 /989 +/ ?+9= 0;+? *5 ? G :' N I ;+7 ? 4*?9 +79 /708 ? * /*A?89:.! *8

79 =9C89??9= ?C 8* C89?9;+?+/0 B0=9? 0 *9?+ -*+ 0;) +79 # ,"#2/$'5."3.'"!- &3 2/!!')5 *;= +79 M9#8298?#/!' 79?9 +/0 *89 0 +9;;= 989;+ A +98B9=# %"#2/$'' N ;+79 +8@9 # %"#2/$'' B?+ -*+ 0;' # %"#2/$#(/5 :' NMI +79 C*8+?' G@?@* A -9 ?@449?? -9 A 0-98 *C# 80B +79 8?+# /747 ? /70 A 95+98 08# +0 +79 *?+# /747 ? /70 A ;+98 08# *;= C *49=* :* ;?+ +79 8?+ +79A +7@?' 40BC 9+9 0;9 +@8;' 0 * ?C 8* ' ;M9#8298?#/!*9?+ -*+ 0;G3'' M9#"#2982#/!#& +/0 0 '+79 -9 C 949?' *89 95+98 08# +/0 ;+98 08# *;= 0;9 ;+98B9= *+9# 0;9 ? =9 0 '+79 *++98 >9 ;:' 40-989= >A 0;9 0 '+79 0@+98# *;= 0;'+79 0+798 40-98 ;:' 0;9 0 ' +79 ;;98 G :' N I 7 ? *88*;:9B9;+ 40889?C0;=? +0 +7*+ 0 9*-9? 95C89??9= >A : 0 95C * ;' +7 ? *9?+ -*+ 0;# /747 ? ;0+7 ;:' >@+ * =9C89??9= ?C 8* / +7 +/0 40 ?# /9 B@?+ 40;? =98 +79 *5 ? 0 '+79 0/98*? * +8@;4*+9= 40;9# *;= =8* /' * ?C 8* ;9 +/ 49 80@;= +# 80B >0++0B +0 +0C ' +79;B*8F 0 '0;'+7 ? ;9 -9 9R@ = ?+*;+ C0 ;+?# ?0 +7*+ * ? 5+7 C0 ;+ *+ +79 +0C 0 '+79 40;9 / '>9 BB9= *+9 A *>0-9 +79 8?+ + ? 4 9*8 +7*+ +79 ;+98?C*49? / 9R@*' [' +79 4 84@B 989;49 0 '+79 40;9# *;= +79 -9 ?C*49? >9+/99;' +79 ?5 C0 ;+? / 40;?+ +@+9 A # '9 +/49 +79 4 4@B 989;49 /747 9R@* ? +79 +/0 +@8;? 0 '+79 ?C 8* '+8*49= 0;' +79 40; 4* ' *5 ? 0 '+79 0/98 0/ ?@>?+ +@+9 08 +79 -9 C0 ;+? -9 ?9C* ? 08 C9+* ? /747 ?7* '>9 *8:9 9;0@:7 +0 0-98 *C +79 ;'=9C89?? +79 40;9 +0 *' C *;9# *;= /9 ?7* ' 7*-9 +/0 95+98 08 9*-9? GH# I# *' +7 8=# *+ 0;49 7*

;+98 O8 * ; = 7 * 95+98 O8 GMI # * ; = + / O / 70 A ;+98 O8 G # I # / 7 47 *89 >0+7 ; 9*89?+ +O +79 +OC O +79 40 ; 9# * ; = +79 B0?+ 49 ; +8 * 79 3& 4 * A5 G : N I 40 ; 8B? +7 ? - 9 / + ? 0@+98 ?9C * ? >9 ; : ; 95+ +79 * 3 ? O +79 0 / 98# * ; = 40 ; ?9R@9 ; + A B0?+ - : O8O@? A =9-9 OC9=# C89?9 ; + ? B * * +98 * 9* 9+?# * ; = O +9 ; * +98B ; * +8@9 9* 9+# +7@? 89=@4 ; : +79 ?9C* + O * ; @ ; 9R@* A C ; ; *+9 9* F O8= ; *8A 8O?9 9*-9? ? +79 ?9C* ? 8 ?9 ; +79 M9#8298?5 +79 : 80 / +7 >940B9? / 9*F98# +79 +7 8 = >9*8? ?B * 9* 9+? O ; A O ; O ; 9 ? =9# * ; = +79 @CC98 O8 ; +98 O8 ?9C* +98B ; *+9?

NO 984 ?

N ; ; 4@ ; 5 * ?9?+ *+ O ; NN C O ; *4XI+ 9$ 69?+ - *+ O ; O / 98 / +7 ?+* ; = *8 = / +7 ; +79 / ; : ? , N O4> 9*+9 ?9?+ - *+ O ;

; * ? ; DC 9 *B9 ; + 79 R@ ; 4@ ; 5 *9?+ - *+ O ; B *A >9 = ?+@8>9 = >A @ ; 9R@* =9-9 OCE B9 ; + O +79 9*-9? O +79 / 708 # * ; = +7 ? 9?C94 * A 044@8? ; +79 4080 *# O / ; : +O +79 89 *+ -9 A ? O / 08 8*C = : 80 / +7 O ?0B9 O +79 C9+* #6 7@?# ; +79 . / . #!#38/K 2'39& 4080 * G : NNI # +79 &$/8) / ")5 / 7 47 89C89?9 ; +? \0 +79 R@ ; 4@ ; 5# * ; = O@ : 7 + O >9 ; +98 ; * # ? / 70 A 95+98 O8# >94*@?9# 7*- ; : =9-9 OC9= B089 8*C = A +7* ; +79 0+798 C9+* ?# + 40-98? +79 + / O / ; : ? 89C89?9 ; + ; : 0? H * ; = +7 ? ?9?+ - *+ O ; ? ?* = +O >9 . / . #!#38/2'39& D<' ('?#!!/"#& ; +79 + $07 ; .? 89*= D '"2#& 5 +79 ?+* ; =*8= 89+* ; ? +? ; 08B* C0? + O ; # * ; = +7 ; R@ ; 4@ ; 5 ? C8OC98 A O8B9= G : \IR ; +79 8/ .)"/738 G : N I * ; = 0+798 . '"&38/$" C * ; +?# +79 ?940 ; = C9+* ? ; +98 O8 ; ?+9*= O >9 ; : 95+98 O8# 9 +798 >94*@?9 + 7*? =9-9 0C9= >9 089 +79 0+798?# O8 >94*@?9 +79 *++98 7*-9 : 80 / ; +79 B0?+ 8*C = A +7 ? B0=9 O ?9?+ - *+ O ? 4* 9= 232%!'/$" G49 232%!'/"#& 79 4* A5 7*? * ? B *8# *88* ; : 9B9 ; +

B0 ; : ?+ +79 - *8 9+ 9? O B >8 4*+9 ?9?+ - *+ O ; ? +7*+ +98B9= 238(3!9$' GJ 238> (3!9$#(/ + 044@8? / 79 ; +79 ?9C* ? O8 C9+* ? 0-98 *C# ?O +7*+ 9*47 40BC 9+9 A 9 ; -9 OC? * +79 0+798?" *? ; +79 4* A5 O + /783!#/5 * ; = +79 4080 * O 3 . . #'& G : O I $?+ - *+ O ; ? /!$'"8/$"D'' /!$'"8/$#(/ 5 / 79 ; +79 9*-9? O +79 4* A5 O8 4080 ! * O8B + / O / 708 ?# O / 7 47 +79 95+98 O8 9 ; 4 0?9? +79 ; +98 O8 / 7 ?+ * +98 ; *+ ; : / +7 +# *? ; +79 4* A5 O +79 /!!:!3<'"5 * ; = 4080 * O 9 #$3"- G : O I S

b6 ?+ - *+ O ; ? &$"/#7%$ D2'' "'2$/ 5 O8 OC9 ; D2' / . '"$/ 5 / 79 ; +79 C*8+? *89 ?O ++ 9 =9-9 OC9= O8 ?O = ?+* ; + 7*+ +79A =O ; O+ B99+ 1 ;]

O

79 +98B & - '$"- 7*? >99 ; = 989 ; + A *CC 9= * *4408= ; : +O %9 * ; =0 9# + BC 9? ; 0 ; , : 90B9+8 4* 89 : @ *8 +A ; C * ; +? * ; = * ; B * ? 0+798 >0+* ; ?+?= ?+ ; : @ ?7 GO +9 ; 0>?4@89 AI ?AB B9+8A 80B 89 : @ *8 +A) +7 ? / 9 =O ; O+ *=B +# >@+ 89 : *8=

. O 60/ : 238(3!9$' ,- 2 60* 4-03 -=*2*= : 24- = 8,6 . 238$3"$') 2/ $< #&$') 70-6,?76,2*

?ABB9+8A * ; = 89 : @ *8 +A * ?A ; 0 ; AB0@?# * ; = * ? BC A ; : * ? B *8 +A >9+ / 99 ; +79 9*-9? 0 * 08* / 08 + ? 89 *+ 0 ; ; 4 @= ; :) 1 #+ 9P08K* # +79 B+B+98 M# +79)'.'8)'82' # +79 "'!/$#(.3&#$#38 0 +79 C*8+? 0 0 / 98?) / 9 7*-9 +7@? +79 ?AB +;9+8A 0 08B# 0 ;@B>98# 0 = ?D@;4+ 0 ; # * ; = 0 CO? + 0 ; ABB9+8A 0 08B ? 89 : @ *8 +A +*F9 ; ; +? @?@* ?9 ; ?9 * ? / 79 ; CO8+ 0 ; ? 0 * / 708 *89 * F9# 08 / 79 ; # >9 ; : = 989 ; +# +79 0 ; 9 ?08+ * +98 ; *+9? / +7 +79 0+798# ?0 *? +0 C89?9 ; + * ?ABB9+8 4* / 70 9 *80@ ; = * 40BB0 ; 49 ; +89 +7 ? 89 : @ *8 +A B : 7+ >9 +98B9= "/-')&- '$"- G4* A5 * ; = 4080 ! * 0 3!9 ,#8'5 : MH" /!!:!3<'"5 : O * ; = #)$'"29. / 708 +7*+ ? ; 0+ +7@? ?ABB9+8 4* ? ?* = +0 >9 889 : @ *8 +70@ : 7 +? + / 0 ? =9? G08 7* -9? B*A 89?9B> 9 9*47 0+798# +7@? >9 ; : * ; * 0 : 0@? +0 +79 !38-#$9)#8/!2 &- '$"- 0 *; B* ?# / 7 47 ? 0CC0?9= +0 +79 "/-')&- '$"- 0 [33.%-$'& 79 4080 *? 0 +79 '/"$&'/&'G : HO I# -$#&9& G :? M# I# "3.2'3!9 G : H I# *89 889 : @ *8# >@ 0 ; : +@= ; * A ?ABB9+8 4* 79 / 708 ? 4* 9= 89 : @ *8# 9-9 ; +70@ : 7 + 08B? * =9C89??9= ?C 8* >@+ '+79 08* *5 ? 9 ; : +79 ; ? ?9 ; ? > A# +79 8*A9= ?ABB9+8A = ?E *CC9*8?# * ; =# +0 =9?48 >9 +79 ?ABB9+8A# 8940@8?9 ? 7*= +0 +79 40BC*8*+ -9 9 ; : +7 0 +79 ?C 8* +7@? +79 ?ABB9+8A 0 +79 S4*8C9 ? ? %' #&.%'"#2 ; +79 $"/<,'""- G : HI# 238#2/! ; +79 /&.,'""- G : I# &.#F')& ;)38#& G : I

98 94 ; @B98 4* ?ABB9+8A 044@8? / 79 ; * +79 / 708 ? 40 ; ? ? 0 +79 ?*B9 ; @B>98 0 C*8+?# *? ; "/&&9!/5 / 7 47 7*? -9 ?9C* ?# C9+* ?# ?+*B9 ; ? * ; = 4*8C9 ?

% ?D@ ; 4+ -9 ?ABB9+8A 044@8? / 79 ; +79 C 949? 0 9*47 / 708 *89 9 ; + 89 A ?9C*E 8*+9=# * ; = 9*47 / 708 ? 9 ; + 89 A 899 B 3!9 ,#8'5 '!!',3"' - '$"-3 .3&#$#38 044@8? / 79 ; +79 C 949? 0 9*47 / 708 /!$'"8/$' / +7 +70?9 0 +79 C8949= ; : * ; = ?@4499= ; : * ; = +79 ; 08B* C0? + 0 ; 0 +79 / 708 ? G4* A5# 4080 *# * ; = ; 94 ; ; # C ?+ ? @ ; = ?+@8>9= B "/&&9!/"9,'8& *; A >0+* ; ?+?# 89 : *8= ; : 89 : @ *8 +A *? +79 ; 08B* 9*+@89 ; C * ; +?# *??@B9 +0 >9 +79 ."# #$#('$-.' *=0C+9= >A *+@89 +79A +7989E 089 00F @C0 ; * 40B> ; *+ 0 ; 0 +79 *>0-9 ; *B9= ?ABB9+8 9? *? ; = 4*+ ; : +79 ; 08B* 40 ; = + 0 ; 0 +79 0 / 98 / 7 47 ?70@ = +7@? 40 ; ? ?+ 0 0@8 / 708 ?# 9*47 40BC0?9= 0 +79 ?*B9 ; @B>98 0 9*-9?# * 9R@* # 899# * +98 ; *+ ; : ?@449?? -9 A# * ; = * 88 * ; : 9 = ; +79 08=98 0 4* A5# 4080 *# * ; =8494 @B * ; = C ?+ @8+798# ?@47 * C8 B + -9 +AC9# / 79+798 89* 08 B * : ; *8A# B *A >9 B089 08 9?? 40BE C 9+9 A * ; = C98B * ; 9 ; + A B0= 9= >A -*8 0@? ? ; : 9 08 40B> ; 9= 4*@?9?# 0 / 7 47 +79 C8 ; E 4 C* *89# 1 #8'M9/!#$- 0 =9-9 0CB9 ; +# 23%'K &#38 08 &- .%-&#&5 9!$#.!#2/$#385)39%!#8-5 &9..''&&#38 *; = / ,3"$#38 7 ? 7AC0+79E ? ? 7*? 40 ; +8 >@+9= *8 : 9 A +0 +79 C80 : 89?? 0 08 : * ; 0 : 8*C7A# >A ?+ B@ *+ ; : ; -9?+ : *+ 0 ; ? ; +0 +79 40BC*8*+ -9 *; *+0BA 0 08* 08 : * ; ?

0 *?498+* ; +79 *B0@ ; + 0 ?ABB9+8A * 0 / 98 = ?C *A?# +? >@= B@?+ >9 4@+

NQ ' @*8 * ' O ; ?+8O@? 0 / 98

NQ ' % * : 8*B ' O ' * ; ' =9* ' C98 94+ A ?ABB9+8 4* ' 0 / 98

P - '$"-' ,* *+ ,-.' 7*3 : 0/,57* 82/9- 3? 0>47 ' ,* *4 : ; 0/J "'79!/"#$-5 6.76 6.0 17/6-5 2 '7 , : 1 ,0-5 6.76 6.0 17/6-5 2 '-4550--,?0 8.2/ -5 7/0 ,-2 : 06/,5 8.2/ ' 7/0 0>47 ' 7*3 -, : , 7/ B7 %

, 9+ +98 4* 9= %#!/$'"/! 8 %

8 ' ' & ' Q

+780@:7 708 <0;+* A# /79;' * ' +79 /708? / ' *CC9*8 C80D94+9=' 0;' +79 ?@ ;9 C *;9 *;=' +79 89 *+ -9 C0? + 0;?0 ' +79 08:*;?+7@?' = ?C *A9=' ?' +98B9=' *' = *:8*B G :' NQI ' 8'M9/!#$-' 3:')'('!3. '8$;949??*8 A ;+98 989?' / +7 ?ABB9+8A' 0 ' 08B G4080 *' 0 ' '/"$&'/&'5 :' HO ' -$#&9&5 :?' # ' "3.<3!9 5 :' H I ' +7 ?' ;9R@* +A' ?' 89R@9;+ A' 4*@?9=' >A' +79 4079? 0;' 0 ' C*8+?# *? ;' +79 > *> *+9 B0;0?9C* 0@ ' 4* A5 0 ' / #9 ' G :' I# ;' +79 > *> *+9 4080 *' 0 ' 8/.)"/7385 G :' I# 0 ' #8/"#/' G :' NI# / #9 ' G :?' O # OQI# ;' +79 B0;*=9 C70@?' *;=8494 @B' 0 ' + /!!3< G :' MH I# = *=9 C70@?' 0 ' 3$9& G :' MH I# = =A;*B0@?' 0 ' 8/.)"/738 G :' M I# +9+8*=A;*B0@?' 0 ' /!!:!3('" G :' M NI" ;' +79 0-*8A' 0 ' 8/.)"/7385 +79 C ?+ ' 0 ' "2%#&5 U4 1 889:@ *8 + 9?' / 7 47 *89 @?@* A' *440BC*; 9=' / +7 ;94+*8 980@?' : *;=?' G '/"$&'/&'5 /!!:!3<'"5 '8$"/8$%9&5 38'-&9'%!' ' 8/.)"/7385 #8/"#/'5 U4 I' ;' #8/"#/' G :' NI" +79 4* A5 ?' B0;0?9C* 0@?' / +7 -9 @;9R@* ' = - ? 0;?# +79 4080 *' ?' B0;0C9+* 0@?' / +7 + / 0 @;9R@* ' C?# 0 ' / 7 47 +79 @CC98 89C89?9;+?' + / 0 C9+* ?# *;=' +79 N / 98 +7899# 0 ' / 7 47 +79 49;+89 0;9 ?' C80 0;:9=' >9 0 /' ;+0 *' ?@>@ *+9 ?C@8" +7989 *89 0@8 ?+*B9;?# 0 ' / 7 R7 +79 + / 0 >;:9?' *89 ? +@*+9=' >9+ / 99;' +79 49;+8* ' *;=' +79 + / 0 *+98* ' C9+* ?' 0 ' +79 0 / 98 C " +79 + / 0 0+798?# / 7 47 *89 ?708+98# *89 0CC0? +9 +79 ??@89?' / 7 47 ?9C*8*+9 +79 + / 0 C?" *' +79 >*?9 0 ' +79 @CC98 C' *' *B9;' 89C89?9;+?' +79 +7 ?+*B9;' ;' 498+* ;' 4 84@B?+*;49?' * ' +79 C9+* ?' 0 ' #8/"#/' *89 =9-9 0C9=' F9 +79 49;+89 0;9 0 ' +79 0 / 98 C " +79 / 708 ' ?' +79;' C98 94+ A' 89:@ *8# *;=' C89?9;+?' *' 4080 *' / +7 -9 0>9?# *;=' -9 9R@*' ?C@8?' >9+ / 99;' +79 B' G :' NQ +?I ' ' +79 ?*B9 + B9# +79 *B9;' *' +79 >*?9 0 ' +79 @CC98 C' =9-9 0C?' ;+0 *' ?+*B9;' F9 +79 0@8 0+798?# / 7 47 *++98# @?@* A' @;9R@* # >940B9 C894 ?9 A' * F9# ?0 +7*' +79 0 / 98 ?' @8; ?79=' / +7 -9 ?ABB9+8 4*' ?+*B9;?' +0 +7 ?' B9+*B08C70? ?' +79 ;*B9 0 ' '!3"#/' 7*?' >99;' : -9;# / 7 47# *4408=;:' +0 +79 +7908A' *=-98+9=' +0# /0@ =' >9 89:*8=9=' *?' *' 89-98? 0;' +0 +79 ;08B*' ?+*+9 0 ' +79 C *;+' 6#3!'$& *89 * ?0 ?0B9+ B9?' 89:@ *8" ?0B9+ B9?' C89?9;+ ;:' +/0 0CC0? +9 ?C@889=' C9+* ?# 08 +7899# 08 9-9;' -9 ?@47" /79;' +79 ?ABB9+8A' 0 ' 08B ?' 9?+*E > ?79=' ;' +79 +7899 8?+' &708?

3%'&#38 08 &- .%-&#&5 /79+798 40;:9; +*' 08 +79 89?@ +' 0 ' :80 / +7# =9?+80A?' +79 ?ABB9+8A' 0 ' = ?0@;4+ 0;' >A' 9 94+ ;:' 9 +798 +79 4079? 0;' 0 ' +79 9*-9?' 0 ' +79 ?*B9 / 708 # 08 +79 4079? 0;0 ' 0!9 / 708 ' / +7 *;0+798" *?' ;' B0;0?9C* 0@?' 4* A49?# B0;0C9+* 0@?' 4080 *?# B0;*=9 C70@?# = *=9 C70@?' *;=' C0 A*=9 C70@?' ?+*B9;?# *;=' 40BC0@;=' 0-*8 9?" * ?0 ;' 0 / 98?' / +7 ; 98 08 0-*8 9?' G+-"$!'5 :' M H" /8'#:"/7'5 :' M I# *;=' / +7 B0;0C9+* 0@?' ?+*B ; 980@?' 4080 *?' G '!!/)388/5 :' Q I" ;' 4* A4 08*' G '/2%5 :' MN I' *;=' :A;*;=80@?' 0 / 98?' G "2%#&5 :' H " "#&$3!32%#/5 :' MH I

079? 0;' * ?0 B*?F?' ;@B98 4*' ?ABB9+8A# >A' 4*@?;:' *' 40BC0@;=' 08:*;' +0 *CC9*8 ? BC 9# *?' ;' +79 B0;0?9C* 0@?' 4* A5# +79 B0;0C9+* 0@?' 4080 *# +79 40BE C0@;=' 0-*8A# U4 " *;=' +' =9?+80A?' +79 ?ABB9+8A' 0 'C0? + 0;# *?' / 79;' +79 4*8C9 ?' *89 9;4 0?9=' ;' +79 8949C+*4@ *8 +@>9 G 9#82'5 :' H I# 08 ;' 4*@?;:' +79 *;=809 @B' + ' *CC9*8 *>0-9 +79 9-9 ' 0 ' +79 C ?+ ' G "2%#&5 :' H " "#&$3!32%#/5 :' MH I

@ + C 4*+ 0;' 40;?? +?' ;' +79 89C9+ + 0;' 0 ' +79 ?*B9 / 708 " +7@?# '"%'"#& 7*?

å ;' ;:?7' /08F?# +79 +98B' 23%'&#38' ?' 40;' ?*B9' / 708 '" /)%'&#38$3' +79 @;0;' 0 ' +79 08:*;?' 0 ' ;9=' +0 +79 @;0;' 0 ' +/0 08 B089 08:*;?' 0 ' +79 = 989;' / 708?1 %

+7899 / 708 ? 0 +7899 ?9C* ?# + / 0 / 708 ? 0 +7899 C9+* ?# * ; = + / 0 / 708 ? 0 +7899
?+*B9;? 79 3. .-G : O I 7*?+/0/708?0+/0C9+*?#*;=B*;A/708?#9*47

G "$

(% *:8*B - OH % *:8*B O @B +O8A % *:8*B OM 98*;@B O/98GB*:I#/+7O@ 4* A5 *;=4080 *

40BCO?9= 0 +/0 ?+*B9;? 79 3!9 ,#8" G : OHI 7*? +9 / 708 ? 0 -9?+*B9;?
;=+/0 /708 ? 0 -9?4 9? 79 9 #$3"-G : O I 7*?+/0/708?0+/0C9+*?#
*;=+/0 /708 ? 0 +/0 ?+*B9;?# 0 / 7 47 +79 0@+98 *89 ;08B* +/0 49 9=?+*B9;?#
*;=+79 ;98?+*B9;? *89= - =9= ;+0 0@8# 9*47 0;9 49 9= G9R@* +0 +/0 40BC 9+9
?+*B9;?I -$%"9 7*?+/0/708? 0 ? 5?9C* ?# 407989;+ *;= *=7989;+ 1/$9"/
:/&$93&/7*?+ZA0 08+7899 B0;0C9+* 0@? 4080 *?# 0;9 ;? =9 +79 0+798

1 ')9.!#2/$#38 08 2%3"#&#& 044@8? / 79;+/0 08 B089 08:*;? +*F9 +79 C *49 0 0;9
7 ?* 94+? ;0+ 0; A;@B98 4* ?ABB9+8A#>@+ ?ABB9+8A 0 C0? + 0; ;/7 47 89?C94
+= 98? 80B 9!$#.!#2/$#385 / 79;+79 / 708 ? C89?98-9 +79 8 89 *+ -9 C0? + 0;? %9
=@C 4*+ 0; ? ./"/!!'!5 / 79;+79 08:*; ? =0@> 9= 80B / +70@+ ; / *8=?# *;=/79;
+79 ?@C9 ;@B98*8A C 949 ? OCC0? +9 +0 +7*+ 80B / 7 47 + C80499=? + ? 23!!/$'"/!5
/ 79;+79 ?@C98;@B98*8A C 949 044@8? >A +79 ? =9 0 +79 08:*; 80B / 7 47 + C80499=?#
B* ;+* ; ;:+79 ?*B9 89 *+ -9 C0? + 0; 0; +79 8949C+*4 9 * C*8* 9 =9=@C 4*+ 0;
B*A=0@> 9 08 +89> 9 +79 / 708 # *40 *+98* =9=@C 4*+ 0;4*;0; A ;489*?9 +79 ;@B>98
0 C*8+? ;+7*+ / 708 # / 7 47 ?+ 40;+ ;@9? ? BC 9 ; +79 4*?9 0 C*8* 9 =9=@E
C 4*+ 0;# +79 ?@C98;@B98*8A C 949? *89 @?@* A * +989=# *;= 8*+798 89?9B> 9 +70?9
0 +79 / 708 / 7 47 ;08B* A ?@4499=? $%= 5 +7*; +70?9 0 +79 / 708 +0 / 7 47 +79A
>9 0;: ; -2%8#C G :? MQ# I *;= 0+798 /"-3.%-!!'3 5 +79 C9+* ? : -9 0 *
8 ;:9= C9+* 0 = *A98# / 7 47 407989? / +7 +79 4 * / # *;= ? 899 0; A / 7989 +79 4 * /
B99+? +79 B > #8 ')9 G : ONI +79 -9 C9+* ? C80=@49 * / 708 0 -9 ?+*B9;?
?708+98 +7*;+79 -9 / 7 47 * +98;*+9 / +7 +79 B # *;= +79 ;08B * *;= ?@C98;@B98*8A
*;=8494 * *89 ?0 4 0?9 +7*+ +79 8 >*?9? 407989 ; '"/8#9 G : OMI # +79 -9
C9+* ? C80=@49 >A =9=@C 4*+ 0; -9 ?+*B9;? ?708+98 +7*; *;= 0@+? =9 +79 0+798?#
>@+ +79 -9 *8:98 >9*8 *+ +79 8 0@+98 >*?9? -9 ;94+*8 9?# / 7 47 89 9?+*> ?7 +79
* +98;*+ 0; = ?+@8>9= >A +79 -9 ?@C98;@B98*8A ?+*B9;? G : O I +79 G : O I +79 ?*B9 *88*;:9B9;+ 95 ?+?# 9549C+ +7*+ +79 95+8* ?+*B9;? 7*-9 ;0
*;+798?" ; ')9 G : ONI +79 ?+*B9;? OCC0? +9 +0 +79 C9+* ? *89 * =9=@C 4*+ 0;
0 +79 *++98" ; !/? G : OOI# +79 ?@C98;@B98*8A ?+*B9;? *89 89=@49= +0
?9?? 9 B9B>8*;0@? +99+7" #8Q+#7838'$$" G : O I# +79 C9+* ? / +7 * 8 ;:9= +0C

>9*8 / +7 ;* ?B* 40;4*-9 C *+9# / 7 47 ? *=9=@C 4*+ 0;0 +79 C9+* 79 C9+* ?#
0 /89829!9& G : MOI 79*8 *+ +79 8 ; ; 9+ >*?9 *? B* ?4* 9# C*8* 9 +0 +79 4 */#6

O 98*; @B 804 @B %'< 034 : 00 *5
% *:8*B O / 9 GB*: I# / +70@ 4 T O80 *# 280/ ,,3/205,4 : 7*31,-6, D : [+F\

*;= 08B ; : / +7 + *; 94+*8 980@? 4*- +A +79 > *> *+9 C9+* ? 0)!'%3"<& *89
08B9= 0 +/ 0 ;9*8 A 9R@* C *+9?# *;= B*A >9 89:*8=9= *? 08 : ;*+ ; : >A =9=@C E
4*+ 0; ;* C*8* 9 = 894+ 0; 79 C9+* 0 = *B ;B 0 +79?9 C *;+? B@?+ ;0+ >9
40; 0@;=9= / +7 +79 = 989;+ C80+@>98*;49? 0; +79 4080 * 9 3 :"A- G : NQI# *7=
0+798 3"/7#8'2'5 ;08 / +7 +79 ?08+ 0 7* 8A C* *+9 0; +79 0 / 98 C 0 8/.)"/738
G : I *;= #8/"#/ G : NI / 7 47 *89 ;0+ +79 89?@ + 0 =9=@C 4*+ 0;# >@+
89 =98 -9= 80B +79 ?@>?+;49 0 +79 C9+* %9=@C 4*+ 0;? *89 47 9 A 40; ;9= +0
+79 4080 * *;= *;=8094 @B +79A 8*89 A 044@8 ; +79 C ?+ ; ')9 G : I
+7989 ? 95+98;* A +* +79 >*?9 0 9*47 4*8C9 * ++ 9 :899; : *;=@ *8 ?4* 9# C*8* 9
+0 +79 4*8C9 # *;= / 7 47 B :7+ >9 00F9= @C0; *? * =9=@C 4*+ 0; 0 +7 ?

%9=@C 4*+ 0;? *89 ;0+* /*A? * C800 0 ?@C98 @0@? - +* *4+ 0; +79A B*A *8 ?9
80B * B ?= 894+ 0; 0 -9:9+*+ -9 0849 ; *4+# / 79; 079 / 708 ? =0@> 9=# +79
?@4499= ; : 0;9 ? 9 +798 / 9*F9;9=# B0= 9=# 08?@CC89??9=# *? ; +79 "# "3&'5 # K
. '"8'!' G : OQI# *;= 0+798 "# 9!/2'W 5 / 7 47 7*-9 0; A -9 ?+*B9;?# *;= +79?9
0CC0? +9 +0 +79 C9+* ?# +7@? ;0+ 08B ; : * ;08B* A / 708 9= *;=8094 @B# >@+ >9 ; :
89 98*> 9 +0 * C*8* 9 =9=@C 4*+ 0; 0 +79 C9+* ? +79A +7@? 89C *49 +79 ;08B* *
*;=8094 @B# / 7 47 70 / 9-98 ?0B9+ B9? *CC9*8?# ;0+ *? ?+*B9;?# >@+ *?
?4* 9?# * +98;*+ ; : / +7 +79 C9+* ? D / 3!9&5 : I ; +79 6#8'

O : ;0;9+9 OQ# BC98;9 * *B0 ;? 08+ 0 0 4080 * *;= 04F9+
080 * GB*: I *;=C9+* GB*: I *;=8094 @B GB*: I ;=8494 @B#

G : HI#.+79 -9 ;08B* ?+*B9;? *89 89C *49= >A -9 ;94+*8 9?# >;+ 98+ <*+ 0; ?
?94@89= >A -9 ?+*B9;? 0CC0? +9 +0 +79 C9+* ?
3!!/$'"/! =9=@C 4*+ 0; ? 9?? 89R@9;+ +7*;*C*8* 9 ;+79 04 49# G : I *;=

0+798' "92#:''"2'5 +79' 0@8' ?+*B9;?' *88*;:9=' ;' C* 8?' * 0;:? =9' +79' C ?+ ' 89C89?9;+' +/0' =0@> 9=' +79' *B9;+?' 0 ' 9*47' C* 8' *89' ;=99=' 0 +9;' 40;;94+9=' 7* /*A' @C# 08' +780@:70@+' +79 8' 9;:+7 ' ;' +79' "/87'' G :' MI# +79' *;=8094 @B' 40;? ?+?' 0 ' *' ?;:9' /708 ' 0 ' +7 8+A' ?+*B9;?# /70?9' *B9;+?' 4079889' ;' >@;=9?' 0 ' 0@8# -9# 08' ? 5'' ;' $' 3%80&' 3"$' G :' I# +79' ?+*B9;?' 08B' +7899' 08' -9' >@;=9?# 0 ' /7 47' 9*47' B*A' 79' 40;? =989=' *?' *' =0@> 9=' ?+*B9;' *;=' ?0' ;' 3&$3">3#!' G :' MH I# +79' ?+*B9;?' 0 ' /7 47' 08B' >8*;479=' >@;=9?' *47' *B9;+' 0 ' +79' /9''!' G :' I' >9*8?' 0;' 9*47' ?=9' 0 ' +?' >*?9' *' ?708+ A' ?6 C +*+9' :*;=# /7 47' 8B A' 407989?' +0' +#' *;=' ?' ?0B9+ B9?' =9-9 0C9=' ;+0' *' +8@9' ?+*B9;' 7 ?' ?70/?' +7*+' +79' ?+*B9;' 0 ' +79' /9''!' / +7' +?' +/0' :*;=?' 89C89?9;+?' *' ?+*B9;' B@+C 9=' ;+0' +7899# 0 ' /7 47' +79' +/0' *+98*' *89' 8@=B9;+*8A' ;' B*;A' /''!#2&' G :' M I' +79' *B9;+?' *89' =*+9=# *;=' +98B ;*+9=' >A' +7899' +99+7# 0 ' /7 47' +79' 49;+8*' 0;A' >9*8?' *;*;+798' ;' /82"/$#9 ' +7 ?' =*+*+0;' ?' 9;08B0@?' +79' *+98*' 0>9?' 0 ' 9*47' *B9;+' 407989' /+7' +79' ;9:7>0@8;:' *B9;+?# *;=' 08B' /+7' +79B' *' 8;:9=' +@>9' ;' /''2#&&9& G :' NI' +7 ?' +@>9' ?' ?+ ' B089' 89B*8F*> 9# *;=' *??:;*> 9' +0' +79' ?*B9' 08:;

;A'C;+?' C89?9;+' +79' 4*?9' >0+7' 0 ' B@+C 4*+ 0;*;=' =9=@C 4*+ 0;' +79' 0/98' 0 ' 9$3 9&' G :' OI' 7*?' +7899' ?9C* ?# +7899' C9+* ?# ? 5' ?+*B9;?' ;' C* 8?' 0CC0? +9' +0' +79

%&%' 6'!2,'*#-#O2/6'
4*3 0'2''-67:0*-

M' 8*;:9' ' *@89 ' O' @+0B;?' ' (*84?6;*' CC9;=0 *84 X@?'
08+ 0;'0'*;=8094 @B +*B9;'GB*:#I C*:8*B 98*;+7' *=' 0C9;

?9C*D?# +7899' 0+798' ?+*B9;?' / +7 ;' +79' ?5' C8949= ;:# * ?0' 0CC0? +9' +79' C9+* ?# *;=' ?5' 4*8C9?' ;' +/0' ?98 9?) 7989' /9' 7*-9' *' B@+C 4*+0;' 0 '+79' *;=8094 @B' *;=' C ?+ # *;=' >9?=9?' +7 ?' *' 40 *+98*' =9=@C 4*+0;' 0 '+79' 8?+' /708 ' 0 '+79' *;=8094 @B' &79;'+79' ?+*B9;?' *89' +/ 49' *;=' +78 49' *?' B*;A' *?' +79' C9+* ?# *;=' >A' +79 8' 95+89B9' 4 0?9;9??' ?99B' +0' 08B' >@+' *' ?;:9' /708 # +' B*A' >9' = 4@+' 0' =94 =9' /79+798' +7 ?' ?' *' 4*?9' 0 '40 *+98*' =9=@C 4*+0;' 0 '+79' *;=8094 @B# 08' 0 ' B@+C 4*+0;# 08' 0 ' *' =9=@C E 4*+0;' 0 '+79' 4080 *' *==9=' +0' +79' ;08B*' *;=8094 @B' 7 ?' = 4@+A' ?' ;489*?9=' /79;'+79' ?+*B9;?' * ' 407989' ' +79' ?+*B9;?' *89' C *49=' 95*4+ A' 0;' *' 9-9 # +79A' B*A' >9' 08B9=' >A' *' 40 *+98*' =9=@C 4*+0;' G "/87'5 :' MI' ' ?0B9' *89' *' ++ 9' / +7 ;' 08' / +70@+' +79' 0+798?# / 7 47' ?' 9*? A' =?+ ;:@ ?7*> 9# ;' ?DD +9' 0 ' 407989;49# +79;' +' ?' *' 4*?9' 9 +798' 0 ' 9!$#.!#2/$#38' 08' 0 ' ./''/!!''!' =9=@C 4*+0;' +' ?' *' 4*?9' 0 ' B@+C 4*+0;' /79;' +79' 0@+98' ?+*B9;?' * +98;*+9' / +7' +79' C9+* ?' D '", '"#& 5' >@+' 0 ' C*8* 9' =9=@C 4*+0;' /79;'+79A' *89' 0CC0? +9' +0' +79' C9+* ?' G '"/8#9 5' ,+' OMI

Q 480+K7 *8 *
I *: 8*B
(% 2 #.
8 . , -6 6 . 0 1,-6, , - : 2*2 57/10 7/= J ,6 ,- 6 . 0 -7 : 0 8 ,6 . 0 1,-6, 2 6 . 0 !9 7*3
'/2% 9 8/ .)"/738 D ,+ QHI 2 8 . ,5 . 6 . 0 57 =G 7*3 52/2 7 7/0 >4,*7/= *?
D28,*+ 62 7//0-6 24/ -67 : 0 7*3 6 8 2 57/10 - 340 +0 411/0--,2*
; 2"3.%9!/"#/5 / +7 + 9 ?*B9 *88*; : 9 B 9 ; +# +79 +7 ?+*B 9 ; ?89C89?9 ; +9= >A
C9+ 0 = ?4* 9 G : Q I 79 '"#<#8F!' *; = +798 .32-8'2'5 *? /9 * *? B*; A
B0; 0C9+* 0@? *B 9?# 7*-9 -9 ?9C* ?# -9 C9+* ?# -9 ?+*B 9 ; ?# *; = + / 0 4*8C9 ?
3!-7/!/ G : Q I 7*? -9 ?9C* ?# +7899 C9+* ? G?0B9+ B9? -9# * +98; *+ ; : / +7 +79
?9C* ?I# 9 : 7+ 7* *; +798? G9R@ -* 9 ; + +0 0@8 ?+*B9; ?I# *; = + / 0 4*8C9 ?# $: %'!
:'"2 G : Q I 7*-9 -9 ?9C* ?# -9 C9+* ?# -9 ?+*B 9 ; ? *; = + / 0 4*8C9 ? 79
3"8:!3<'"5 1/8)'!#385 %"-&/8$%' 9 *; = 0+798 3 .3&#$2" 7*-9 R@ ; *8A 4080 *?
*; = *; =8494 * *; = *? ; : 9 4*8C9 ; B0?+# +79 4* A5 =9 : 9; 98*+9? ; +0 * C*CC@?#
+70@: 7 ; ?0B9 D &$'"#&29&5 - '83?-& + C89?9 ; +? -9 ?4* 9? ; B0?+ 929",#$/2'<
B+'!385 9 .F#85 929 , '"~ +79 4* A5 *; = 4080 * *89 R@ ; *8A *; = +79 ?+*B09; ? *89
89=@49= +0 + / 0 *; = * 7* d 2
; *C9+* 0@?# B0; 094 0@?#
*; = = 094 0@? 0 / 98?# *;
9; + 89 / 708 ? ?@CC89??9=
08 *889?+9= B -2%8#&5 /7#8/5
%'83.3)#9 5 : H QI " ?0B9E
+ B9? ?9-98* / 08 ? *89
*>?9; +# *? ; +79 '$$!' *; =
+9!, '"" - G : Q I # / 7 47
QM' 0 A: * *
% *: 8*B
Q 08 *; =98#
% *: 8*B
C89?9; + 0; A * 4* A5 / +7 *; *; =8094 @B# 08^ * C ?+ 0B9+ B9? ?9-98* / 08 ? *89
?@CC89??9=# +0 : 9+798 / +7 0; 9 08 B089 C 949? 0 +79 89B * ; ; : / 708 +79 B* 9 0 / 98

0 9.%3",#/G : MMI 40;? ?+?0 0;9 / 08#89=@49=+0 0;9?+*B9;* ;=+ 9 9B*9 0/98G : NI 0 0;9 / 7008 0 +7899 4*8C9 ?+ 79 0/98?0 "9 G :?HQN# HQQ# HQ I 40;? ?+0 *;?0 +*8A ?+*B9;08 4*8C9 99=?# F9+79 08* / 7008?#*89?@>094+ +0?@CC89??0;* ;=*889?+ ;'"/8#9 G : O I +79 -9 4*8C9?*89 +/00-@9=# +0=>@+?;: 9?99=9=+79 / 2G : I 7*?+7899 4*8C9?08B ;:+7899 +/00-@9= 49 ?+79?9C+*>940B9?C99= A*>?08>9=+780@:7 +79 8*C =:80/+7 0;9 0+>9 0-@9?#*;=+79 8C9 8@+?0;9 49 9=*;=0;9?99=9= 79 3"8:!3<'+*;=0+798 3 .3&#$<5 ;%'/$ *;=0+798 "/ #8'2'5+79 0-@9?0+*8A 80B+79 8?+*9*?#*?940;=7*?;9-98>99;=?40-989=+7@?0 98 ;:*4*?9 0?@CC89?E ?0;*;=;0+*889?+ 79 4*@?9?/7 47=?:@?9 08=?+@8>?ABB9+8A;*;A0;9 0/98*89;0+* /*A?0*+9= ;/"%&.9+/97*-9 98'M9/!)'('!3.K '8$*;=&- .%-&#& ;+79 4* A5*;=4080 *# 9!$#.!#2/$#38;+>9 *;=8494 @B#*;=&9.."'&&+79 C ?+ ;&2!'.#/& G :QNI &- .%-&#& ;* +?/7008?# 9!$#.!#2/$#38;+?4080 *#)')9K .!#2/$#38;+79?940;=/7008 0+79 4080 *#*;=&9.."'&&#38@+>9 ?C 9C *? 0/98GB*:I 7838'$$+?*;95*BC 9 0 98'M9/!)'('!3. '8$;+?4*A5 080 **;=*;=8494 @B+ 0 &- .%-&#&5#8+?C ?+#0 ./"/!!'!)')9.!#2/$#38;+?4080 *#0 23!!/$'"/!)')9.!#2/$#38;+?*;=8494 @B#*;=0 &9.."'&&+?C ?+

%'+:"9#$G:"9'$9& ?+79 98+ <9=*;=8C9 C ?+#+7*+?#*C ?+ 9;40?;:?99=?4*C*>9 0 89C80=@4;:+79 C*;+ +B*A >9*440BC*;9=>A*449??08A 08:*;?#/7 47*89 40;?=989=*?08B ;:**;+9:8*C*8+0+#*;=+0/7 47/9?7* 89+@8;

79 8@+?/.32/".39&1H#/79;+?4*8C9?*89?9C*8*+9 80B 9*47 0+798 B 3!9 %#8'5:QO /89829!9&5: "/ ,!'5:H+3&'5:I#/79;9*47 4*8C9?40;?=989=+0>9*8@+#/79;+79C ?+ ?08B9=0*?;:9 4*8C9D '/5 !/))'" '88/5:Q +.#23$5:QQ %'/$ +?&-82/">.39&5/79;+?9*8C9?*89 40;?0 =*+9= ;+0*?;:9>0=A D 9!#.5:M Q "#&5 / ./89!/5:MQ 3..-5: +'/"$&'/&'5: I

AO 0@B>;9 8@+ (*==98 9;;* + : * C9; 0/98 N 9;8+?9*?9 A

4408=;:*?9*47 899 4*8C9#08 9*47 49 0**?A;4*8C0@? 8@+#08 9*47

@; 04@ *8 40BC0? +9 0-*8A 40;+* ;?0;96 9/#08 B*;A?99=?#+7 ?4*8C9#49 #08 0-*8A ??* =+0 >9 383&.'"8834 &G48!383&.'" /5 3!#73&.'" 39&G3!#73&.'" /5 08 /8->&'')') G.3!-&.'" / 79 8C9 0-*8A ?4* 9=*.'"#2/".D.'"#2/".#9 I /9 7*-9 *89*=A =9?48>9=+79 +7899 *A98?0 /7 47 +?40BC0?9=G :?H #HNI# '.#2/".5 '8)32/".5 *;= '&32/".08 &/"23'/".5 ,

7*;:9?4*@?9=>A +*+@8*+0; 1 ;8C9; ;:#+79 8@ + @;=98:09?47*;:9?#?0B9 0 /7 47 7*-9>99; *89*=A B9;+0;9=) +B*A>9)"-5*;= +79;#*4408=;: +0 +?40;?+9;4A# + ?? *= +0 >9 ' ,"/839&5 23"F-5 23"#/2'39&5 <33)-5 ,38-+79 *++98 YR@* +A ?0@;= ;+79 #!,'"$G : MMI ?0B9+ B9? +>940B9? +780@:7 +79 *>@;=*;+C@ C 0 +79 ?99='; '!!/)388/ G : NOI +79 B9?04*8C ?@44@9;+ ;+79 "/87 D 75 I $%'C@ C 238&#&$& 0 !387

. 00?9>98;A 8@ + 4@+A98+4* A | N M 90 ,@; 8@ +4@+ 9++4* A GB*: I | N 8>@@?* -98+4?+!A GB*: I | N *??*' 08+0;'0 0C9;' 8@ + | N N6 *=??' 0/98 4@+-98+4* A

?C;=9?7*C9=49 ?# 59=+0+79 9;=04*8C >A 0;9 0 +79 8 95+89 = +9?# *;= 899 *+ +79 0+798 ;+79 3 /$3 + ?+79 C *49;+*# ;+79 :#"33&','"-G : L HI *;= +79 3 '7"/8/$'+?+79 +9?+*+?9 0 +79 ?99= /7 47 ?C@ CA

;8@ +?/ +7 *?@44@9;+ B9?04* £# *? !9 5 %'"-5 '/2:#5).'#23!/!89$5 =25+79 9;=04*8C +7 9+9;?*+79 95C9;?9 0 *CO8+0;0 +79 B9?04*8C G :?'NI5 I# >940B9?>0;A# *;= 08B?+79 &&38" D.9$/ '8 79 ?9C+*?0B9+ B9?= ?*CC9*8 ;+79 C98 4*8C *? ;-2%8#& G : VZ /8) 0+798 /"-3.%-!!/2'2'5 /7989 +79 8*C = :80/+7 0 +79 /* ? 0 +79 0-*8A >89*F? *;= 9 *49? +79B ;+79 /F G : I# /7989 0;9 0-@9 ?+ 9? +79 0+798 -9# *;==9?+80A? +79 +7899 ?9C+* ;+79 &% G : NHI# /7989 0;9 0 +79 +/0 49 ? 40;+* ;?*?99=# /7 9 +79 0+798 ? 89=@49= +0 *;* B0?+ BC9849C+>9 4*- +A >A +79 =9?+8@4+0;0 +79 ?9C+@B 0B9+ B9?+8*;?E -98?9 ?9C+* *89 =9-90C9= ;+79 8 C9;:;0-*8A +79?9 *89 708 <0;+* 95C*;?0;? 0 +79 9;=04*8C *;= B9?04*8C# /7 47 ?0B9+ B9? >940B9 /00=A G /&&#/5 : I ; 8'3"9 G : MI *;= "#,9!9&G : I# +79 9;=04*8C *;= B9?04*8C *89 :8*=@* A ;+8@=9= 80B +79 ;;98 /* 0 +79 0-*8A# ?0 *? +0 08B 0> R@9 ?9C+*# /7 47 *+ B*+@8+A= --9 +79 4*- +A ;+0 ?B* ?@C98 BC0?9= 49 ? 79 B9B>8*;0@?+8*;?-98?9 ?9C+* 0 +79 49 ? 0 +79 /)#&%C0= G : I# /.%/8#&$"9 5 *;= ?0B9 0+798 "92#K :'"3'5 *89 0;:+@= ;* ?9C+* /7 47 +79 :80/+7 0 79 ?99=? 7*? =8 -9;+0 8 :7+ *;= 9 +>A +79 89? ?+*;49 0 +79 9;=04*8C ;+7 ? 4*?9# +79 8@ + =97 ?49? +8*;?-98?9 A# 9*47 ?9:B9;+ 40;+* ;;:0;9 ?99=

@+@89 1 79 ('8$"/! &9$9"' G&9$9"/ ('8$"/!#& ? +79 ;9 ;= 4*+9= >A +79

f .0 14 1 /7/0 = 52*6/,;460- 62 6.0 2/:76,21 ;= 60:16,*+ ;,/3- "5 7*3 ,6 ,- 2 60* 7* 7,3 62 6.0 2 6.0 -003J ,6 7,3- ,* 6.0 3,-10/-,2* 2 /4,6- +0/:,*76,2* 2 6.0 -003 B *

90 98 ; :9=:9?0 *4*8C9 *8A 9* #*;= / 4 *49?+79*5 ?0 +79 0/98" /+*+?
G?0B9/7*+ BC80C98 AI 4* 9=+79)3"&/!&9$9" G?)3"&/!#& ?;0+7 ; :>@+79 B9=*;
;98-9 0 +79 4*8C9 # /7 47 40;?9R@9;+ A *49?+79 C98 C798A 0 +79 0/98 ?
;98-9 B*A>9 B*?F9=>A+79 C*89;47AB*=9-9 0C9= 80B+79 4*8C9 # *?;+79 '/2%'
+ ?@?@* A ;=4*+9= 9 +798 >A *8 >G 3!9 ,#"F 08 @880/GA &$"/7/!9& 79
-9;+8* ?@+@89 B*A* ?0>9 ;=4*+9=>A*8 >G 9*I 08 @880/G '/2% ;*B*;A
49 9= 0-*8A# +79 -9;+8* ?@+@89?# 044@CA ;:+79 *5?0 +79 0/98# 4*;;0+ >9 ?99;
95+98;* A# *;=9*47 49 ?;=4*+9=>A*=08?* ;9 08 8 >' >9? =9? /7 47# /9
:9;98* A?99# 0;+79 /* ?0 +79 40BC0@;=0-*8A*;=>9+/99;+?=08?* @880/?#
0+798 ?@+@89?# ;*B9=./"#'$/!'B&9$9" ./"#'$/!'&5 /7 47 ;4 4*+9 +79 @;0;0 +/0
9C+*# 08 0 +/0C*8 9+* C*49;+*? G+/!!3<5 : I ;; 98 08 0-*8 9?# +70?9 *89
;0+?@+@89? /7 47 /9 C9849 -90;+79 /* ?0 +79 8@ +# 7@+ >80 -*?4@ *8 >@;=9?#
/7 47 >9 0;: +0 +79 4* A5 +@>9 *4408=;:+0 ?0B9# +0 +79 8949C+*4@ *8 +@>9
4408=;:+0 9+798? G 9""/8$;+7 ?4?9# +79 4* A5 B>0 +9;480/;? +79 8@ +#
;+79 08B 0 $''$%G ')#/5 : I# 08 ,"#&$!'& G 2/,#39&5 : QI# 08 *./..#&
G1/8)'!#385 : I# 08 *2"3<8 G 3 '7"/8/$'5 +')!/"
449??08A 8:*;?1 79 ?+A 9?0B9+ B9? 89B* ;?@C0;+79 0-*8A# *;=:80/? /+7
+79 C98 4*8C *? + B*+@89?" + 08B? * *++9;9=>9*F ;+79 /)#&%*;= 32%$
G : NI# * 9*+798A+* ; ;9!&/$#!!/*;=! '/$#& 79 8949C+*4 9# /7 47 ;?0B9
? ?=7989?+0+79 0-*8A# ;949??*8 A 08B?*C*8+0 +79 8@ +# ?@47 ? +79 8949CE
+*4@ *8 +@>9 /7 47 9;4 0?9? +79 4*8C9 ? ; ..!'&5 '/"&5 9#82'&5 +')!/"&5 %#$'>
,'/5 J/"3!'5 $M<&5 U4 # ?@47 ?* ?0+79 8949C+*4 9 0 +79 $"/<,'"-G : Ol#
/7 47# +70@:7 * B0?+=8A*+ 8?+# :8*=@* A9; *8:9?# >940B9? 9?7A# *;=9;40?9?
+79 0-*8 9? ;+?48 B?0;C*89;47AB*# + ?;0+5+79;+79C ?+ * 0;9# >@+5+79 9; *8:9=
8949C+*4 9 /7 47 ?C8 <9= ;+79 ?+8*/>988A# *;=/7 47 ? @?@* A89:*8=9=*?+79
8@ +# +79 4*8C9 ?0 +79 ?+8*/>988A *.9 ;?C=# *;=48*4F@;=98 +79 +99+7# *;=+79
++ 9>*4F ?+A 9?*CC9*8*?=8A=94 =@0@?+789*=?; +79 #7G : H I# *9?7A
8949C+*4 9 9;4 0?9? ;;@B98*> 9B ;@+9 0/98?# +79
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I +79 4080 * /+798?

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;=C98? ?+?0;+79 4 A5 ;+79 +/"('!3:'"9 +79 >*?9 0 +79 C9+* 0 =C98 *;+7
9;-90C? +79 0-*8A# *;=89?9B>9? 0;9 0 +79 ;+9:@B9;+?0 +79 ?99=" ;+79
#8$'" %'""-G : I +79 /709 4* A5 C98? ?+?# 9; *8: ;:9;08B0@? A# *;=
9;40?;:+79 0-*8A ;* *;; *+9=40 0@89=>*==98 ;+79 3&' G :# QI# +79

4* A5 B>' =8 9?' * ; =' =94*A?# >@+' +79' 8949C+*4@ *8' +@>9' C98? ?+?' * ; =' >940B9?' 9?7A' ;'+79'8 C9' + 9!, '""-' G :' NOHI# +79' 9B* 9' 0 / 98?' 0 ' / 7 47' 08B' *' =9 ; ?9# ?C F9# +79' 0@8' ?9C* ?' *89' ?@44@ 9 ; +# * ; =' 9 ; 4 0?9' +79' C ?+ "' +79A' B*A' +7@?' +79B?9 -9?' >9' 89 : *8=9=' *?' >9 0 ; : ; :' +0' +79' 8@ +' ; -0 @489?# / 7 47' / 9' 7*-9' =9?48 >9=' ;' +79' C*8* : 8*C7' 0 ;' >8*4+?# @?@* A' C98? ?+' *8OC ; =' +79' 8B +' * ; =' : 80 / ' / +7' +" ?@47' ?' +79' 4*?9' / +7' +79' ; -0 @489?' 0 ' 3 .3&#$2'5 +79' 4@C?' 0 ' +79' 23"8' G :' M I# 0 ' +79' 9$ G :' MI# * ; =' 0 ' +79' %'&89 G :' 6 I

%9 ?49 ; 49 6%97 ?49 ; 49' ?' +79' *4+' >A' / 7 47' +79' 8 C9' C98 4*8C' 0C9 ; ?' +0' 9+' +79' ?99=?' 9?4*C9 ' 8@ +?' / 7 47' +7@?' >@8?+' ?C0 ; +* ; 90@? A' *8*' 4* 9=') '%#&2'8$ B) '!##&2'8&) 9!#.5 "#&5 :# N HI' D6+79' +98B' #8) '%#&2'8$ D#8) '%#&2'8& ' ?' *CC 9=' +0 1 H# 9?7A' 8@ +?' / 7 47' =0' ; 0+' 0C9 ; # >@+' ==4*A# * ; =' +7@?' 899' +79' ?99=?' D . . !'54a7 ' # Q" '/2%A' :' NHQ" + '!385 9 .F#8 ' 8 H5' =8A' 8@ +?# / 70?9' C98 4*8C' ?' C 9849=' >A' +79' 9B>8A ' ;' : 98B ; *+ 0 ; ' G %' /$5 92F<%' /$5 /$5 :#7' HIE' 8' 38'5 :' N MI

"* -9?' G(/!(2 5 (/!8 !3' ' *89' +79' C 949?' ; +0' / 7 47' +79' C ?+ ' ?9C*8*+9?' / 79 ; ' 8 C9# +0' * 0 /' +79' ?99=?' +C' 9?4*C9 :' *4408= ; :' +0' +79' ; @B>98' 0 ' +79?9# +79' 8@ +' ?' ?* =' +0, ' >9' 98#(/%')5 ,#(/!(')5 U4' G@ ; B - ?# %#(/!(#&5 U4 I' ' ?0B9+ B9?' +79' ?9C*8*+ 0 ; ' ?' ; 40BC 9+9# +79' -* -9?' 0 ; A' 0C9 ; ; :' +0' *' 7* ' 08' *' R@*8+98' 0 ' +79 8' 9 ; : +7# 08' *+' +79' +0C' 0 ; A' C04*8C0@?' 8@ +?' =97 ?49' >A' +79' -9 ; +8* ' ?@+@89' G 3!9 %#8'5 :' QO" /"F&.9"5 :' H " /!$%/5 :' HHI# 08' >A' +79' =08?* ' ; 98-9' G + /783!#/ 5 08' >A' >0+7' *+' 0 ; 49' G '/5 :' HN# * ; =' 0+798' '79 #83&3' ' E ; ' +79' *++98' 4*?9# +7989' *89' + / 0' -* -9?' +0' 0 ; 9' 4*8C9

79' =97 ?49 ; 49' C ' .!9"#!329!/"' &-82/". 39& 8@ +?' ?' &' .$#2#) /!' G)' &' .$#2#) / ' / 79 ; ' +79' ?9C+*' ?C +' ; +0' + / 0' C*8* 9 ' C *+9?# * ; =' +79' @ ; +9=' 4*8C9 ?' ?9C*8*+9' G $' 3%80& 3"$5 :' O'E' 3!'%#29 5 :' QE' + 9!!'#85 2"3.%9!/"#/5 :' I' '69*47' -* -9' +79 ; ' 89C89?9 ; +?' *' *8C9 ' 79' C *49 ; +*?' B*A' :9!!' * / *A' / +7' +79' " * -9?# 08' 08B' *' ?0 =' 49 ; +8* ' 40 @B ; ' B /!#2/"#/5 :' M I ' ;' /!!' 4*?9?# +79' 9=: 9?' 0 ' + 9' -* -9?' *89' ?* =' +0' >9' #8) '?') ' %' ' =97 ?49 ; 49' 3 :' .!9"#!329!/"' &-82/". 39& 8@ +?' ?' !329 2#) /!' G)' !329>' !#2#) / ' / 79 ; ' +' +*F9?' C *49' >A' +79' =08?* ' ?@+@89' +7 ?' 89?@ +?' 80B' +79' ?9C+*' >9 ; :' B0898' 8B A' @ ; +9=' +7* ; ' +79' B9= * ; ' >80 -*?4@ *8' >@ ; = 9?' ' +79' 4*8C9 ?" 9*47' -* -9' +79 ; ' 89C89?9 ; +?' +79' 7* -9?' 0 ' + / 0' 4*8C9 ?# * ; =' + 9' -* -9?' *89' =9?48 >9=' *?' &' .>' $#: ' "39& #8' $%" #)) ! " G(5 ') #3>&' .$#: ' "' ' ' 0B9+ B9?' +79' C *49 ; +*?' *89' 40 ; + ; @9=' * 0 ; :' +79' ?9C+*' G #!-5 "#&5 :' NMHI# *+' 0+798?' +79A' 89B* ; ' 40 ; ?0 =*+9=' ; +0' *' 9 ; +8* ' 40 @B ; " ?0B9+ B9?# * : * ; # +79' C *49 ; +*?' B*A' 89+* ; ' *' C08+ 0 ; ' 08' +79' / 70 9' 0 ' 9*47' ?9C+@B# ** =' +79' 49 ; +8* ' 40 @B ; ' +79 ; ' C89?9 ; +?' *?' B* ; A' / ; : ?' 08' C *+9?' *?' +7989' / 989' ?9C+*' ; ' +79' 0-*8A' >9 089' +?' =97 ?49 ; 49' G %3)3) '8)"385 /$9"/5 :' M I" +7 ?' -*8 9+A' 0 ' 04@ 4 =* ' =97 ?49 ; 49' ?' 4* 9=' &' .$#:"/7/!

79' ?*B9' 8@ +' B*A' >9' >0+7' ?9C+ 4 =* ' * ; =' 04@ 4 =* " +7@?# ; ' 3?7!3('5 / 7 47' ?' + / 0 4*8C9 *8A# +79' ?9C+*' 8?+' ?9C*8*+9# +79 ; ' +79' =08?* ' ; 98-9' 0 ' 9*47' 4*8C9 ' ?C +?# * ; =' 9*47' 0 ' +79' 0@8' 89?@ + ; :' -* -9?' 89C89?9 ; +?' 7* ' *' 4*8C9

-82/". 39& 8@ +?' / +7' C*8 9+* ' C *49 ; +*?' @?@* A' =97 ?49' >A' C *49 ; +* ' ?@+@89?# / 79 ; ' 9*47' -* -0' 89C89?9 ; +?' *' 4*8C9 # * ; =' 7*?' .!/2'8$#: ' "39& / "7#8& G./!' / "7#8#%9& .!/2'8$#: ' "2 5 '8$#/85 : ' NM I# 1 08' >A' +79' =08?* ' ?@+@89?# / 679 ; ' 9*47' -* -9' 89C89?9 ; +?' +79' 7* -9=' 0 ' + / 0' 40 ; + : @0@?' 4*8C9 ?# * ; =' ?' .!/2'8$#: ' "39& #8' $%" #)) ! " G' ') #3>' .!/2'8$#: ' "3'5 '/"$&'/&'5 :' M " #!!3<5 :' M I# 1 08' >A' +79' ?9C*8*+ 0 ; ' 0 ' +79' -* -9?#

* /*A? 08B * / 708 G 3!9 ,#8'5 : QO '38-5 : HM /!$%/5 : HHI# 08 79B G :3! 9&5 : H I 1 79 !'7(G!'79 '8 ? 0 4 9 0C9; ; : ;+0 + / 0 A* -9? >D

,

N *+'
8@ +GB*: I_'
0# O-*8A' '
#+9?+* '
4# 9B>8AO
66* >@B9;

HQ 9*4 '
8@ +4@+ -98+ 4* A

M &OO= ;9B0;9 '
& O 9*479;9* ;= N`M ' O8; O/98' 4 9; 9? ;'*'79*=
8@ +GBD*: I '

+? =08?* * ;=# -9;+8* ?@+@89? G '/5 : HNI 0B9 .'79 #83& 7*-9 ?C 8* A +/ ?+9= 8@ +? G 92''8'5 : HOI 0 0+798? +79 8@ + ? ;=97 ?49;+ *;=0;9 ?9>=9=# 79;49 * +8@9 *479;9 G "':3#! 0 0+798? + ? * !3 '8$9 5 9# +79 9:@B9 ? 40;+8*4+9= *+ ;+98-* ? ;+0 B*;A 49 ? >A +8*;?-98?9 ?9C+* /79;8 C9# +79 8@ + ?9C*8*+9? +780@:7 +79 ?9C+* 0 +79 49 ? ;+0 0;9 ?99=9= D0 ;+? G 3"38#!!/A /#8:3#85 : H I 0+798 9:@B9? *89 -98+ 4* A B089 08 9?? C98 94+ A +/0 49 9=# >A +79 ;E 95 0; 0 +79 =08?* G &$"/7/!9&5 : MQHI# 08 -9;+8* ?@+@89 G ?-$"3.#& 1 M 79)"9. G)"9./ ? ;=97 ?49;+# @?@* A 0;9 ?99=9=# / +7 * 9?7A B9?04*8C# *;= ?+0;A 08 >0;A 9;=04*8C G '/2%5 : HQ %'""-5 : " ."#23$5 !9 5 ! 38)5 /!89$ 2#8# *89 +79 ?B* =8@C9? 08B ;: +79 8@ + 0 +79 /&.,'""-* *;= "/ ,!'5 U4 G : HI 1 79 &# .! ,'""-0;A = 98? 80B +79 40BC0@;= >988A >A 08 : ;*+ ; : ; * ?0 +*8A 4*8C9 G '",'"#&5 "9 5 : I 1 79 /2%'8 G/2%'8#(? =8A# ;=97 ?49;+# / +7 * ? ; : 9 899 ?99= G;0 *=798 ; : +0 +79 C98 4*8CI + ? ?0 +*8A ; +79 3"8:!3<'' G : M ?f *;= 1/8)'!#38>5 *: : 0B98*+9= ; +79 /89829!9& G : N I# 8' 38 G : N MI# 3&'5 G : I# *;= $"/<,'""- G : HI 79 9$"#2! G9$"#29!9& ? *;*479;9 / +7 * -98A +7 ; *;= * B0? B9B>8*;0@? C98 4*8C G 2/,#39&5 /"/8$%5 $/$#2' 1 N 79 2/"-3.&#& G2/"-3.&#& ? =8A# ;=97 ?49;+# / +7 * ? ; : 9 ?99= *=798 ; : +0 +79 C98 4*8C G %'/$5 +/#J'5 /$5 : N NI

A;4*8C0@? 8@ +? 1 O 79 2/.&9! G2/.&9!/ ? =8A# 0;9 08 B*;A 49 9=# *;= =97 ?49;+ + ? .!9"#!329!/ "* *;=&'.$#'#)/! ; $ 3%80& 3"$ G : OI# 2"3.%9!/"#/ G : I# +#)!'#85 3!'%#29 G : QI# /!#2/"#/ G : NM I !3'9!#2#)/! ; #!/25 #!-5 "#& G : MHI ?9C+ 8*: * ; 1/$"/ G : M I# &'.$#'#)/!* ;= !3'9!#2#)/! ; 1#7#$/!#& *;= #89 </$%/"$#29 79 -* -9? 0 +79 98#!329!/" 4*C?@ 9 *89 C *49;+ 980@? *+ +79 9=:9? ; '8$#/8 G : MMI C *49;+ 980@? *+ +79 B == 9 ; '/"$&'/&" G : M I *;= #!!3$(G : M I 79 4*C?@ 9 0 "2%#& G 6 MNI 0C9;? ;+0 +7899 -* -9?

C *49;+ 980@?* *+ +79 B == 9# *;=+79 B9= *;;98-9?0 +79 +7899 4*8C9 ?# @;+9=>A +76 8 >*?9?* *;=+0C?# *;=480/;9=>A +79 = A 08** 9;-9 0C9?# C98? ?+ * +98 +79 -* -9?* * * /*A ;+79 2#"29 &2#&& *C?@ 9 G.-?#2!#9 5 2 2#"29 &2#&&/ 5 +79 =97 ?49;49 ?* +8*;?-98?9 G !/8$/#85 # .'"8'!5 :MO" 9"&>U#

L +'$07;.?'&08+ ' 480C7@ *8*' 8@ + ';' 8?' 8@ + MN' 847?' 8@ +

!/8'5 :M " '8,/8'5 :MQI ;+#7838'$$" G :I# +79 4*C?@ 9 0C9;?>A +79 ?9C*8*+ 0;0 +79 +7899 ?9?? 9 40;;-9;+?+ :B*+ 980@?0>9?# / +70@+ = - = ;: ;+0

MM' 9;+*;' 8@ +' M ' 9*8+?9*?9 8@ +

M # %*+@8*' 8@ + Q' 047 4;B' 8@ + MO' D;C9B9 ' 8@ +'GB*:I M ' @8?*;9' 8@ +'GB*:I

+99+7 08 -* -9?# *;=9*-9?*;0C9;;:>9+/99;+79B ;+79 "# "3&'5 +79 4*C?@ 9 ? -9 -* -9=*+ +79 +0C# >A +79 ?? 0;0 +79 =08?* ;98-9?0 +79 4*8C9 ? ;+79 #8F G :HI# >0+7 +79 =08?* ;98-9?*;=C *49;+* ?@+@89?? ?C + ;-2%8#& G :I# +79 4*C?@ 9 ? ? B *8 A ;40BC 9+9 A +9;-* -9=;+79 3.."- G :MI# +79 4*C?@ 9 0C9;? >A ?B* +00+7 F9 -* -9?>9+/99;+79 ?9C+*# >9 0/ +79 =?F 08B9=>A +79 ?+A 9 *;=?+:B*+0 8*A?;+79 /"',!!' G :I# +79 4*C?@ 9 0C9;? >A -9 ?B* -* -9?*+ +79 >*?9 0 +79 8999C+*4@ *8 +@>9" +79?9 0C9;;:? *89 08B9=>A +79 0/98 C08+0;?0 +79 ?9C+* ?9C*8*+ ;:80B +79 49;+8* *5 ?# *;=4*88A ;:;C / +7 +79B *C08+0;0 +79 C98 4*8C# ;+79 ?7*C9K 0 * ++ 9 0C9;=008 ;0+798 ?C94 9?0 / ./89!/ +79 0C9;;:044@8?*+ +79 @CC98 C*8+ 0 +79 8999C+*4@ *8 +@>9# /7989 +79 9=:9 0 +79 ?9C+@B ?+7 4F9;9=*;= 08B?

* >08=98 / +7 +79 40;4*- +A 0@+? =9" +79 >0++0B 0 +7 ? >08=98 80 ? 0-98 +79
40;4*- +A# *;= 8@C+@89? +79 /* 0 +79 0-*8A# 08B ;: >9+ / 99; 9*47 ?9C* * ++ 9
80@;= C80+@>98*;49# *;= +79 ?99=? 9?4*C9 :.
>A C089? / 7 47 *89 0; * 9-9 / +7 +79 8
C *49;+*? ; +79 8/.)"/738 G : I#

' :;O;9++9' ' A47; ?# N ' ;*C=8*:O;# ' OCCA' N ' *89>9 '
8@ + 8@ + 8@ + 8@ + 8@ +

+79 @CC98 4*8C9 # +7*+ ;95+ +79 *5 ?# 0C9;? ;9*8 +79 C98? ?+9;+ ?+A 9 >A ?B* 899
-* -9? +79 0 / 98 4*8C9 # / 7 47 ? : >>0@? >9 0 / # 0C9;? >A + / 0 ? B *8 40 *+98*
-* -9?# * ?0 ;9*8 +79 ?+A 9 79 9;+ 9 8@ +# / 79; ?99;
; 80;+# 89?9B> 9? * B0;F9A.? *49# +79 ?+A 9 >9 ;: +79
;0?9# +79 70 9 0 +79 @CC98 4*8C9 +79 B0@+7# +79 + / 0 0+798
70 9? +79 9A9?# *;= +79 C98? ?+9;+ * A5 * 79*= =89??
79 &#!#M9/ G&#!#M9/ ? * 4*C?@ 9 / +7 + / 0 4*8C9 ?
+ ? C80C98 A 0;9 49 9= B %'!#) #9 5 : NI# >@+ @?@* A

' @; *?'
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+&0 49 !9= >A * ?C@8 0@? B9B>8*;0@? ?9C+@B # *;= 0C9;? 80B >0++0B +0 +0C >A
+ / 0 -* -9?# +79 ?99= >9*8 ;: C*8 9+* C *49;+*? C98? ?+ ;: G /!!:!3<'"5 : O!
79 &#!#'9!" D&#!#29!/ ? * ? R@* 0 / 7 47 +79 9;:+7
=09? ;0+ B@47 95499= +79 !3"'8)#% G %#$!3<>7"/&&50
32%!'/"#/5 : Q" %!/&.#5 : I ;?0B9
4*?9? +79 ? R@* ? !3 '8$/2'38&5 ?9C*8*+ ;: +8*;?-98?9 A
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?99=9= *;= + / 0 49 9=# >A * 0;:+@= ;* ?9C+@B ;
"/ ," G : MI# +79 ? 9@ 9 ? 40BC89??9=# *;=
08 : ;* A# 40;? ?+? 0 + / 0 @;9R@* 0;9 ?99=9= 49 ?# >@+
/ 7 ?+ +79 ?99= 0 +79 @CC98 49 >940B9? =9-9 0C9=# +7*+ 0 #+79 0 / 98 49 ?
889?+9=# +? @;4 9>9 ;: ?+8;: 9= ; +79 ?9C+@B *;= +79 89?@ + ? * 0;9 ?99=9=

M' 8*B>9' ' A*:8@B '
@ +# OC9; 8@ +# OC9;

$T % ;=97 ?49;+ 8@ + ; + -/7"9 . '":3!#/$9 G : I +79 ? 4@ 9 40;+* ;? 0; A 0;9 ?99=# / 7 47 044@C 9? +? 0 / 98 7* # * ;= C@?79? @C +79 ?9C+@B +79 + / 0 @CC98 49 ? *89 9BC+A ; C @8 04@ *8 4*C?@ 9?# +79 ; *B9 2322# D2322# 7*? >99;' : -9;+0 0;9 08 + / 0 ?99=9=4*8C9 ?# / 7 47?9C*8*+9 G0 +9;9 *?+ 4* AI# *;= 4*88A +79 ?99=? / +7 +79B# >@+

' 98*; @B ' 8@ +'GB*: I N' 8*5 ;9 *' 8@ +)$*' + @?*' 8@ + Q' 98 ;+79' 8@ +

@?@* A 9*-9# +79 C *49;+*?* *++*479=+0 *49;+8* 40 @B;D 8'3"9 #5 "/?#8'!!/5 9.%3",#/5 '"/8#9 5 + /!!3< ; 9.%3",#/ +7 ? 49;+8* 40 @B;'40;? ?+?0 +79 C *49;+*?# *;=+7899 =0@> 9 C *+9?# / 7 47 *89 CO8+ 0;?0 +79 ?9D8+*# 0 / 7 47 +79 0+798 CO8+ 0;? / 989 4*88 9= * / *A >A +79 =97 ?49;49 0 +79 -* -9?

; '"/8#9 G : I +79 -9 4*8C9 ? ?9C*8*+9 9 *?+ 4* A @C / *8=?# *;= 80 0-9+ @C0;+79B?9 -9?* +79 49;+8* 40 @B;40;? ?+?0 +79 C *49;+*?* ;=+79 9=:9?0 +79 4*8C9 *8A 9*-9? ; + /!!3<&5 +79 ?9C+*0 +79L+9;+0 +99;4*8C9 ? ?C +# >@+ +79 4*8C9 ? =0 ;0+ / 70 A ?9C*8*+9 80B +79 40 @B;* 40;? =98*> 9 CO8+ 0;0 +79 ?9C+*=798 ;:+0 + ; "/?#8'!!/ G : NI +79 -9 4*8C9 ? ?9C*8*+9 40BC 9+9 A# *;= 9*-9 ;0 40 @B;

79 8@ + 0 87'!#2/5 + %9&/ G : OI# *;= 0+798 ,'!!#:'"2' ? *4*C?@ 9 / +7 + / 0 0;9 ?99=9= 49 ?# = - =0 >A *; *880 / ?9C+@B * +?+ / 0 4*8C9 ? ?9C*8*+9 F9 2322#5 *;= 89B* ;?@?C9;=9= *+ +79 +0C +0 +79 08B *5 ? 08 C80 0;:*+ 0;0 +79 8949C+*4 9 0?+ >0+*; ?+? 40;? =98 +7 ? 8@ + +0 >9 40BC0?9= 0 + / 0 *479;9?' >@+ *479;9? *89 *C04*8C0@? 8@ +?# *;= +7 ? 8@ +# >9 ;:?A;4*8C0@?# 40;?+ +@+9? * +8@9 + / 0 49 9= ?9C+ 4 =* 4*C?@ 9# 0 / 7 47 +79 0;A 0C9; ;:+0 +79 4*8C9 ? ? *; *880 / 4 d +# C89E - 0@? A 044@C 9= >A * 08B *5 ?' 79 8@ + 0 +79 97!' G : I ? 40BC0?9= 0 0@8 0;9 ?99=9= 0>9?# / 7 47 ?9C*8*+9 / 79;' 8 C9# D\ +9;' 4* 9= /2%'8'& *;= ;@4@ 9?' >@+ +79 8@ + 0 3""/7#8'2'' *;= /,#/: ? ;0/ 40;? =989= +0 >9 08B9= 0 + / 0 4*8C9 ?# 9*47 = ?+ ;4+ A + / 0 0>9=# *;= 40;+* ; ;:+ / 0 ?99=?' +7 ? ? 0>- 0@? ; '"#8$%" G : QI +7*?>99;=9B0;?+8*+9=+7*+ ;+79 -98A A0@;:>@=? 0 +79

/7'' *;=' +798' /%#/$ 5 +7989' 89* A' *8 ' 0; A' + / 0' 4*8C9 *8A' 9*-9?# 0CC0? +9' +0' +79' + / 0' C?' 0 '+79' 4080 *' @47' 8@ +?' *89' DO+' 40 94+ 0;?' 0 .*479;9?# >@+' ?A;4*8C0@?# +79' 4*8C9 ?' >9 ; :' @; +9=' >9 0 /' >A' +79' = *+9=# ?+A 9 >*?9' G :' QI'' +' ?' *' +8@9' 4*C?@ 9' 0 '+ / 0' 4*8C9 ?# 9*47' 0 ' / 7 47' >940B9?' + / 0 49 9=# *;=' 79;49' +'? B@ *+9?' 0@8' = ?+ ;4+' 4*8C9 ?' 79' &/ /''/' G&/ /''/' ?' *' =8A# 0;9 '+0' + / 0 ?99=9=' 8@ +# 0 ' / 7 47' +79' C98 4*8C' 08B?' *' B9B>8*;0@?' / ; :' *>0-9' 8 80@;=' +79' 49 ' G+ / .!'5 &%5 # 5 U9 I' +79?9# / 7 47' *89' 0 +9;' C *49=' *B0; :' *C04*8C0@?' 8@ +?# *89' 9- =9;+ A ' 40BC0?9=' 0 '+&0' @; +9=' 4*8C9 ?' ;' +79' + / .!'' G :' NN I# +79' + / 0' 69 ?' *89' = ?+ ;4+# *;=' +79' 8@ +' ?9C*8*+9?# *?' ;' ,'! :'''<5 ;+0' + / 0' 2322# 7*; : ; :' *+' +79' +0C' 0 ' *' 08B' *5 ?' +' ?' +7989 089' *' +8@9' ?9C+ 4 =* 4*C?@ 9# +70' 0; A' 0C9; ; :' 0 '+79' 4*8C9 ?' >9 ; :' +79' ;*880 / ' ? +' C89- 0@? A' 044@C 9=' >A' +79' *5 ?' ;' +79' ?7 'G :' NHI# +79' ?9C+@B' ?' C98C9;= 4@ *8' +0' +79' *49?' 0 ' +79' 0-*8A# *;=' 40;?9R@9;+ A' +79 ' + / 0'. ?7*8C' 9=:9?' *;? / 98' + ' +79' >*4F?' 0 ' +79' 4*8C9 ' * +98' 0 / 98 ; :[' * ' +79' 0-@ 9?' >@+' 0;9' *89' *889?+9=' D' +79' ?9C+@B' ?' C@?79=' >*4F# 0;9' 0 '+79' 49 ?' * B0?+' 40BC 9+9 A' = ?*CC9*8?# *;=' +79' 0+798' ?' 9=' / +7' +79' ?99=

79' 8@ +' 0 ' +79' + ' G :' N I' ?' ? B *8' 0;9' 0 ' +79' 49 ?' ?' 0;9 + +@ 9=# +79' 0+798' ?' 9BC+A' 80B' +79' 8?+' 79' 8929!'' G8929!/' ?' *;' ;=97 ?49;+' 4*C?@ 9# / +7' *' >0;A' 08' 408 *490@?' C98 4*8C# C @8 09@ *8' / 79;' A0@;:# >@+' 0;9 49 9=' *;=' 0;9 ?99=9=' >A' *889?+' G /%5 :' M '' #!,''$5 :' MM'' 3 ,'/ 5 ''2%5 %'&$89$5 :' NM'' # '5 :' N I' 0' +79' ?*B9' 4*+9:08A' >9 0;:' * ?0' +79' 8@ +?' 0 ')#/' G :?' N # NNI' *;=' 0+798' 6/!''#/8'D 5 ?0B9+ B9?' 08' 40;-9; 9;49#>@+';0+' *44@8*+9 A# 4* 9=' *479;9? 1' ' 79' ,''''-' G%/22/' G / 79+798' 40BC0@;=' 08' ? BC 9I' ?' ?@44@ 9;+# ;=97 ?49;+# *;=' 7*?' ;0' ?+0;9É +' = 98?' 80B' +79' 4*C?@ 9' 0; A' ;' +?' 9?7A' 40;? ?+9;49# / 7 47' 89R@9;+ A' ;=@49?' +79' ?@CC89?? 0;' 0 ' +79' ?9C+*# *;=' *889?+'
0 ' ?0B9' 0 ' +79' ?99=?' D #8' ' 7989' *89' ?0B9' 8@ +?

N ' 9= *'
8@ +'4@+'
N ' B' 8@ + NM# 79?+;@+' 8; + N ' B 9' 8@ +# +8*;?-98?9 A' GB*: I -98+ 4* A GB*: I NO' 9 *=0;;*' 8@ +

/ 7 47' B*A' 9R@* A' >9' +98B9=' *' >988A' 08' *' 4*C?@ 9' G /.&#29 5 #8$''' %''''- ' B0;:' ?C94 9?' 0 ' +79' ?*B9' :9;@?# ?0B9' *89' C80- =9=' / +7' *' 4*C?@ 9# 0+798?' / +7' *' >988A' G /!#9 5 &.''9!/5 / .#385 -.''#29 ' 79' "#('$.'> #7%$&%/)'5 '!!/)388/' G :' NOI# 6#8'5 7*-9' *' + / 0 49 9=' >988A'' &./''/79&98)# #!-' 3:'$%'' 6/!!'-5 *' +7899 49 9=' >988A' '",' /"#&5 *' 0@8 ' +0' -9 49 9=' >988A ' B0;:' C *;+?' / +7' *;' ; 98 08' 0-*8A# +79' >988A' 0 ' / ,929& ?' +7899849 9=# +7*+' 0 ' +79' + -"$!'' 0@8 ' +0' -9 49 9 ' (-5 -9 49 9=' ' 3::''5 + / 0 49 9=' ' 33&',''''-5 0;9 49 9=# / +7' C*8 9+*' C *49;+*?' G :' HI' 79' %'&.''#)#9 ' G%'&.''#)#9 ' ?' *' C @8 04; *8' >988A# / +7' *;' *80B*+ 4' : *;=@ *8' 9C 4*8C# *' =8A' *;=' ?C0; :A' B9?04*8C# *;' 9;=04*8C' 40-989=' / +7

?B* / *+98A 49 ? / 47 ?C8 ; : 80B +79 / * ? 0 +79 4*- + 9?# *; = 95+9; = +0 +79
?99=? G "/87'5 : N I 79 739") G. '.3 ? *> 988A 40BC0?9= 0 +7899 +0 -9
G8*89 A 0;9I 4*8C9 ?# @; +9= +0 +79 D949C+*4@ *8 +@>9# *; = 08B ; : *? ? ; : 9 49 / 7
-98A 9?7A ?99= >9*8 ; : C*8 9+* C *49; +*? G+ '!385 9 .!2#85 '2%# 85 "#38-
79 .3 ' G.3 9 5 '!38#) /5 :? NQ# O I# ? *> 988A 40BC0?9= 0 B*; A G@?@* A
-9I 4*8+ *: ; O@?' 4*8C9 ? . +
08B ; : -9 49 ?# *; = @; +9= +0
+79 8999C+*4@ *8 +@>9 .

O ' CC 9 '
8@ +' 4@+' -98+ 4* A

GK ' CC 9 '
8@ +' 4@+' +8*; ?-98?9 A

' /"5 9#82' > Q 79 23 .398))"9. " G892$) /8#9 ? 9?7A# *; = 9; 4 0?9? B*; A
?+0; 9?# / 7 47 *89 ?0B9+ B9? 40; ; *+9 G137<33) 5 ?0B9+ B9? 899 G+ ')!/"5 '/ 5
/ .3$#!!/

: : 89: *+9 8@ +? ? +79 ; *B9 : -9; +0 8@ +? +7 *+ 89?@ + 80B +79 @; 0; 0 ?9-98* 0 / 98? +79?9 40BC0; 9; + 8@ +? *89 ; 4 @=9= *B0; : ?+ +79 *>0-9 =9?48 >9= -*8 9+ 9? ; +79 38'-&92!) '5 +79 8@ + ? 08B9= 0 + / 0 40; ; *+9# >@+ 08 : ; * A 899 >988D9? D +79 + 9!, '""-' G : OHI# +79 +8@9 8@ + 40; ? ?+? 0 *' ?C F9 08 79*= 0 ?B* =8@C9?# 9*47 9; -9 0C9= ; * ?@44@ 9; + 4* A5 79 #7 G : H I ? *' CA8 08B >0=A# 9?7A# 70 0 / # >8*0+9*+9 * + +79 >*?9# +79 B0@+7 @8; ?79= / +7 ++ 9 ?4* 9?# *; = ?98- ; : *? *' 40BB0; 8949C+*4 9 +0 +79 0 / 98? 9; 4 0?9= ; +? 4*- +A# +79 B* 9? *>0-9# +79 9B* 9? >9 0 / ; +79 #8'>/ . . !' G : O I# +79 0 / 98? *89 ?C F9= *; = C89??9= 80@; = *; *5 ?

*8C9 'GB *: I' >9*8 ; :'
+ / 0' ?99=?' 7# 47 * *<*
O ' ;9 *CC 9 # B 480C0 9 NO ' C9# 8@ + O ' AC89?? ' 8@ +

+98B ; *+ ; : ; *' +@ + 0 9*-9?' +79 0-*8 9? 08B ?0 B*; A >988 9?# >@+ +79 4* A49?# +79 >8*4+?# *; = +79 *5 ? +?9 >940B9 9?7A 79 #8'>238 ' G2389&5 &$"3%#!9& ? *; *: : 89: *+9 8@ +# / 7 47 7*? ; 0+7 ; : ; 40BB0; / +7 +79 C8949= ; : ' +79 4*8C9 ?# 89C89?9; +9= >A ?4* 9? G : OMI# 7*-9 ; 9 +798 ?+A 9 ; 08 ?+ : B *# *; = =0 ; 0+

0?9 +0 ?79 +98 +79 ?99=?# >@+ C80+94+ +79B >A 4 0?9 A 0-98 *CC ; : 9*47 0+798 @ ; + 8 C9 79A *89 ?0B9+ B9?/ 00=A# / 79 ; +79A 08B 9 +798 * 40 ; 4* ?C F G #8'5 : O I# 08 * : 0>@ *8 79*= G -."'&&5 : O I" / 79 ; 9?7A * ; = 40 ; ; *+9# +79A ? B@ *+9 * =8@C9 G 98#. '"5 : ONI

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79 &' ') G&'"9 0 C7?9 ; :*B? ? +79 0-@ 9 / 79 ; 98+ ?9=# 8 C9# * ; = 89*=A 08 :98B ; *+ 0 ; " + 40 ; +* ; ?+79 ' ,"-3 G' ,"-35 .!/8$9!/5 '3"'9!9 5 / 7 47 ? =9?+ ; 9= +0 89C80=@49 +79 B0+798 C * ; + 9+ @? 894*C +@ *+9 +79 ?+8@4+@89 0 +79 9B>8A0 ; +79 ' / G : OOI + ? 40BC0?9= 0 * 2/9 2!" G2/9!#29!9&5 4 * "/)#2!" G"/)#29!/5 +& + / 0 23$-!')38& G23$-!')38'&5 4I# * ; = * .!9 9!" G7' 9!/5 .!9 9!/ E + ? 9 ; -9 0C9= >A * =0@> 9 ; +9 : @B 9 ; +# 0 / 7 47 +79 0@+98 G I# 08 $'&$/ G$'&$/ 5 ? *++*479= +0 +79 %#!9 G%#%#&5 9 ,#!#29& >A +79 :<8#2!" G:98#29!9&5 +& / 7 47 8 ?9? 80B +79 .!/2'8$/ G.!/2'8$/5 C I * ; = +79 ; ; 98 4 08 '8)3.!'9"'54 G'8)3.!'9R4/ C80- =9? * C*??* : 9 08 +79 ; 0@8 ?7 ; :D@ 49? >A +79 2%/!/'/ G2%/!/J/5 +& / 7 47 40BB@ ; 4*+9? / +7 +79 7 @B >A B9* ; ? 0 * 408= 4 +79 "/.%" G"/.%'I `*8 +79 7 @B ? * ?B* 0C9 ; ; . +# +79 #2"3.-!" G #2"3.-!' 5 >A / 7 47 +79 0-@ 9 ? 98+ <9= >A +79 C0 9 ; ? * :9 ; 98* 8@ 9# +79 8*= 4@ *8 9 ; = 0 +79 9B>8A0 * ; ? / 98? +0 +79 B 480CA 9# * ; = +79 40+A 9=0 ; *8A 9 ; = +0 +79 47* *<*" +79 9549C+ 0 ; ? +0 +7 ? 8@ 9# / 7 47 *89 8*89# * ; = =0 ; 0 ; - * =*+9 +# / >9 ?C94 9=

OQ 9*'?99='GB*: I# =9C8 A9='0 7* ' +?' ; +9 : @B 9 ; + * ; = '0 ; 9'0 ' +?' 40+A 9=0 ; ?

9 *+ -9 0? + 0 ; ? 0 99= * ; = B>8A0 1 + ? BC08+* ; + +0 0>?98-9 +7*+# ; +79 9*8 A 40 ; = + 0 ; 0 +79 -@ 9# +79 7 @B * ; = 47* *<* *89 @ ; +9=" 40 ; ?9R@9 ; + A +79 8*C79 =09? ; 0 95 ?+# * ; = +79 B 480CA 9 044@C 9? +79 0CC0? +9# 08 899 9 ; = 0 +79 0-@ 9" * ?0 +7*+ H# +79 , /&" 0 +79 8@ + G0-*8A, I# ? +79 C0 ; + >A / 7 47 +7 ? ? *++*479= +0 +79 8949C+*4 9# * ; = +? +0C ? +79 C0 ; + 80B / 7 47 +79 ?+A 9 ?C8 ; : ?' # +79 , /&" 0 +79 &' ') ? +79 C0 ; + >A / 7 47 + ? *++*479= +0 +79 @ ; 4 9 08 C *49 ; +*# * ; = / 7 47 ? ; = 4*+9= >A +79 7 @B " +79 $3 0 +79 ?99= ? +79 95+89B +A 0 * ; B*: ; *8A ?+8* : 7 + 08 4@8-9= ; 9 =8* / ; +780@ : 7 +79 *5 ? 0 +79 ?99= 79 *5 ? 0 +79 0-*8A ? =9 ; 9= ; +79 ?*B9 B*; ; 98 79 9B>8A0 7*? * ?0 +? /?#&>5 +? >*?9 ? +? 8*= 4@ *8# * ; = +? +0C +? 40+A 9=0 ; *8A 95+89B +A

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OQ *:9 479 ; 9 4@+ -98+ 4* A GB*: I# 0-# C-*8A" GM 8# ?99=

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&9&.'8)')55 .'8)'8$ G?5 .'8)9!9 55 /79;5 +5 ?5 59=5 +05 *5 49;+8*5 085 C*8 9+*5 C *49;+*#
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C*8 9+*5 C *49;+*## / +7 +?5 *5 ?5 *+5 8 :7+5 *;: 9?5 +05 +7*+5 05 +795 8@ +5 B "#&$3!32%#/55 #!-5
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+5 ?# ; 98 085 G85 #8:'"/5 /79;5 +5 *49?5 +795 >0++0B "5 +7@?5 40889?C0;= ;:5 +05 +795 9894+5 *;=

?49;= ;:'?99=?' 7@?#+79' '$$!'' G :' O I'7?'*;''"'2$?99='*;='*'&9.'"#3"'8*= 4 9"'+79' *5 ?'0'+79'?99='?'?+8* :7+#+79'8*= 4@ *8'9;='>9 ;:' @8+79?+' 80B'+79' 40+A 9=0;*8D# /7 47'*;?/98?'+0'+79'7 @B' ;'+79' /7'' G :' OQI'*;=' %#23"-' G :' I#+79' ?99='?'9894+#/6+7'*;' ; 98 O8'8*= 4 9' 7989'+79'9B>8A0'?99B?'+0'7*-9'+/?+9=,'7* ' 80@;='@C0;'+?9 "+79'40+A 9=0;*8A'9;G#/7 47'0@:7+'+0'*;?/98'+0'+79'7 @;D'>9 ;:' *+'+79'0CC0?+9'95+89B +A#*;='+79'8*= 4 9';9*8 A'044@CA ;:'+?'C *49"+7?'B0-9B9;+' 7*?'+*79;'C *49' ;'+79'4*- +A'0'+79'0-@9'>9 O89' 98+ <*+0;#*?' /9'?7* ' C89?9;+A' 95C * ;"+79'89?@+'?'*'0;:'8*C79#/7 47'8@;?'* 0;:'0;9' ?=9'0'+79'?99=#*;='+79' 47* *<*'?'40;?9R@9;+A'=*B9+8 4* A'0CC0?+9'+0'+79'7 @B' 79'8*= 4 9'?'2'8$"#K .'$/!'G8'2'8$"#.'$/'/79;'+'*49?'+79'49;+8*'*5?'0'+79'8@+'G #!-5 :' I"2'8$"#K :97/!'G8'2'8$"#:97/5 /79;'+'*49?'+79'4 84@B 989;49'G+#7838'$$'5 :'M I' 79

' N' &* O/98' O' A47;?' '%*+@8*' Q' *8-9'O' 98+' QH' *;+*;' Q ' *;+;'
99='4 O+ 99='4!+ 99='4@+ 8@+ "9;+8*'?@8*49' 99='4@+
-98+4* A'GB*:I -98+4* A'GB*:#I -98+4* A'GB*:I O@'-98+4* A O'?9G'GB*:I -98+4* A'GB*:I

9B>8A0'?'/8$#$:3./!'G9'/8$#$"3.9&5/79;# +?'*5?'>9 ;:'?+8* :7+#+79'; 480CA 9'G*;='8*= 4 9I'?'@8+79?+'80B'+79'7 @B'G '$$!'5 :'O "< '?5 :'N I" +'?'%3 3' $"3./!'G9'%3 3$"3.9&'/79;# +?'*5?'>9 ;:'?+8* :7+#+79'B 980CA 9'G*;='8*= 4 9I'?';95+' +79'7 @B# /7 9'+79'47* *<*'G*;='40+A 9=0;*8A'9;=I'?'=?+*;+' 80B'+79'7 @B# *;='0;A'40;;94+9='/ +7' +'>A'*'8*C79" +79;'+79'>*?9'0'+79'?99='G7 @BI'*;='0'+79' 9B>8A0'G8*= 4 9I'40889?C0;='G/79;49'+79'+98B'70B0+80C* '/7'5 :' OQ" %#23"-5 :' " '/"5 ."#23$5 3&'5 $"/<,'""-5 2/,#39&5 '8$"/8$ &5 / ./89!/5 '/"$&' '/&'' "#&5=2 ' 79'9B>8A0'?'/ .%#$"3./!'G''/ .%#$"3.9&'/79;K'+?'*5?'>9 ;:'>9;+# +79'B 980CA 9'*;='47* *<*'*89'>0+7'4 0?9'+0'+79'7 @B'G /!!:!3<'"5 :' N" -2%8#&5 :' O" 1/$9"/5 :' " +/"('!'3:' '"95 :' Q" +9!,'""-5 :' Q I' 79'9B>8A0'?'%'$'"3$"37 !' G''%'$'"3$"3.9&'/79;# 80B'+79'@;9R@*':80/+7'0'+79' 40*+?# ;9 +798' 95+89B +A'0'+79'9B>8A0'40889?C0;=?' +0'+79'7 @B# *;='+79'8*= 4 9' =09?' ;0+' 40889?C0;=

N N' ;9' 99= Q ' @>988A -*8A'9;+' -98+4* A'GB*:I Q ' ?C*8*:@?' 99='4@+ -98+4* A'GB*:I Q ' C98:@*8*' 99='GB*:I

+0'+79'B 980CA 9" ;'+7?'4*?9#+79'*5?'0'+79'9B>8A0'?'?0B9+B9?./"/!!'!'+0'+ 9C * 96'+79'7 @B'G # ."'8'!5 !/8$/#85 :?' QH# Q I#?0B9+B9?+0'+ A%$/$5 %/ 3'"3.&5 :' QM" &./"/79&5 :' Q I"+79'8*= 4 9'?'+79;'?* ='+0'>9 '?''8$"#2G"'(/7/5 '?2'8$"#'/

08B * ; = @8 *49 0 +79 99=? 1 4408= ; : +0 +79 8 08B # ?99=? *89 7!3,9!/" 3(3#) "'8#:3" 3,!3875 2-!#8)"#25 $9",#8/$'5 :!/$$'8')5 !'8$#29!/"5 /879!/"5 U0 ?0B9 *89 889 : @ *8# *+# * ; = 8*+798 F9 : 8* ; ? 0 ?* / =@?+# * ; = *89 ?* = +0 >9 &23,#:3" G?&23,#: :3""%#/ *++9 ; 9 = ?99=? / +7 +7 4F * ; = C80D94+ ; : 9 = : 9? *89 ?* = +0 >9 /"7#8')(G? /"7#8/$/ G .'"79!/"#/5 : Q I# 08 / ; : 9 = +79?9 B*8 : ; ? >940B9 >80* = * ; = B9B>8*; 0@? G #7838#/5 #8'5 : QNI 79 ?@8 *49 B*A >9 & 33$% G?' 2'('5 3!9 K ,#8'5 : QOI <"#"#%!')' G&' "973&9 '88'!5 : Q I *&$"#/5$' G?' &$"#/$9 3,/2235 : QQI "#, , ')' 08 :9""3<')' G?' 23&$/$9 5 /"%&4.9"5 : N I "'$#2A)/$' G89?9B> ; : *' ?08+ 0 ; 9+ / 08F G?' "'$#29!/$9 "'&&5 : N HI .982$/$' G& .982$/$9 5 9 B*8F9 = / +7 ++ 9 =0+?' /!('3!/$' G?' /!('3!/$9 5 9 40-989 = / +7 ++ 9 C +? 89?9B> ; :

QQ O>*440# 99= GB*: I
N *8F?C@8 99= GB*: I
N H 89?? 99= GB*: I
N OCCA 94+ GB*: I

70 ; 9A40B> G 3. .-5 : N I $9, '"2!')' G& $9, '"2#)/$9 5 9 @8; ?79 = / +7 ?B* 80@ ; =9 = C80D94+ 0 ; ? G $'!!/"#/5 : N MI /29!'/$' G?' /29!'/$-5 5 9 >8 ?+ ; : / +7 ?B* C0 ; +? G 8/.)"/7385 : N I *7!/,"39& G !/? *%/#">-5 G 3$$38 0B9 ?99=? 7*-9 *' C@ CA +9?+*' G 33&', '""-5 : N 3 '7"/8/$' 0+798? *89 40-989 = / +7 0 A : *; =?# 0 +9; *88*; : 9 = ; > *; =? G 87'!#2/5 : N NI ?0B9+ B9? C *49 = ; @880/? G 98#. '"5 : N OI

79 %#!9 5 08 C0 ; + >A / 7 47 +79 ?99= ? *++*479 = +0 +79 @; 4 9 08 C *49; +*# 08B? *' =9C89??9 = 08 C80B ; 9 ; + ?4*8 ; +79 B == 9 08 +0 / *8 = ? 0 ; 9 ? = 9 0 +7 ? ?4*8# ? +79 9 ,#!#29&5 *' -98A ?B* ? BC 9 08 40BC0@ ; = 08 49# ; = 4*+ ; : +79 C*??*: 9 0 +79 ; 0@8 ?7 ; : -9??9 ? 0 +79 @; 4 9 ; +0 +79 ?99= 79 2%/!/J/5 08 ; +98; * 7 @B#

N ; *C=8*: O; 99= GB*: I
N 99=4@+ -98+4* A GB*: I
N N ; : 9 4* 99= GB*: I
N O $@; C98 99= GB*: I
N 8*; : 9 99=# OC9;
N Q 8*; : 9 &70 9 ?99=

08B? ?0B9+ B9? *' B089 08 9?? = ?+ ; 4+ C80+@>98*; 49# ?0B9+ B9? *' ?08+ 0 F; 0># ?0B9+ B9? *' ? BC 9 > 0+47 G "/87'5 : N # ! 38) 79 "/.%'5 / 7 47 B* ; +* ; ? +79 40B B@; 4*+ 0 ; >9+ / 99 ; +79 7 @B ; = 47* *<*' / 79 ; +79?9 *89 ?9C*8*+9 = =@8 ; : +79 =9-9 0CB9 ; + 0 +79 0-@ 9# *CC9*8? F9 *' > *; = * 0 ; : 0 ; 9 ? = 9 0 +79 ?99=' 0 +9; + >8*; 479? 0@+ ; +79 +7 4F ; 9?? 0 +79 +9?+*' G ! 38)5 "/87'5 : N QI 79 #2"3 .-!'5 / 7 47 ; +79 0-@ 9 08B9 = *' *8:9 : *C ; : 0C9; ; :# 89B* ; ? - ? > 9 0 ; ?0B9 ?99=? G '/85 *#)8'->, '/85 '/ + = ?*CC9*8? ; B0?+# 7@+ +? C0? + 0 ; ? @?@* A ; = 4*+9 = >A +7*+ 0 +79 + C 0 +79 8*= 4 9

79 80C98 *; = 449??08A 0*+? 0 +79 99=? 1 99=? =0 ; 0+ * / *A? C0??9?? *

= ?+ ; : @ ?7*> 9 $'&$/ *;= '8)3.!'9"'A 0 +9;# / 79; 8 C9# * +79 40*+? B98:9 ;+0 0;9# 08 0;9 ?C +? @C ;+0 ?9-98* *A98?# *;= +79 ?99= C89?9;+? +7899 8 0@8 40*+? 79 08 : ;? 0 +79?9 9;A9 0C9? / >9 =9?48 >9= @;=98 +79 =9-9 0CB9;+ 0 +79 0-@ 9

"#!&* *89 *449??08A 08:*;?# / 7 47 B0?+ A =9-9 0C * +98 98+ <*+ 0;# *;= 40-98 +79 ?99= B089 08 9?? 40BC 9+9 A# / +70@+ *=798 ; : +0 +79 +9?+* ?0B9 *89 95C*;? 0;? 0 +79 @; 4 9# *;= *89 ?C94 * A =9? : ;*+9= *? /"#! D/"#!!9& G - .%</5 /&&#:!3"/5 .98$#/5 #!!3<5 '< É 0+798? *8 ?9 80B +79 = *+*+ 0; 0 +79 9=:9? 0 +79 B 480 CA 9# *;= *89 4* 9= >A ?0B9 *@+708? /"#!!3) '& 3"6:/!&' /"#!& D/"#!!3) '&

; +79 %#$' /$'1 #!- G : NH I *?/9 ;:. & +& 8?;: 80B +79 @; 4 9 . +& :8*=@* A ?C89*=? 0-98 *;= 4*C? +79 0-@ 9# *;= 9;=? >A 4 0?9 A 9;-9 0C ;: +79 ?99=# / +70@+ *=798 ; : +0 +# 9*- ;: ?4*849 A * +8*49 0 *; 0C9; ;: 0-98 +79 07* *<* G 7 I ; /&&#38>:!3<'"&

NH &7 +9 ABC7** " 9++ 4* ?94+ 0; 0 +79 AO@;: 99= GB*: I

NHH & 0/ 99= GB*: I

NH 9/ C9 8@ +# ?@;F ; +? 9? A *8

NH NHN @8OC9*; C ;= 9 +899# ?7O/ ;: +79 ?@449?? -9 =9-9 0CB9;+? 0 +79 *8 0=9

NHO

NH

*; *;;@ *8 ?/9 ;:# / +7 * 899 B9B>8*;0@? +08; B*8: ;# 08B? *+ +79 ?7O8+9;9= 9;= 0 +79 @; 4 9# 80@;= +79 7 @B +7 ? :8*=@* A 95C*;=?# *;= 9;=? >A 9;E 4 0? ;: +79 ?99= ; * 00?9 9?7A 7*:# / +7 * *8:9 0C9; ;: L+0 / *8=? +79 47* *<* ; #!!3<& G : NHHI +79 -98A ?7O8+ +7 4F @; 4 9 95C*;=? ;+0 *; 9894 C9;4 0 7* 8?# / 7 47 9;-9 0C? +79 ?99= ; /2$9& .98$#/5 +/0 40;4*-9 70*+ ?7*C9= 95C*;? 0;? ?C8 ;: a *+98* A 80B +79 @; 4 9# ;+0 / 7 47# +79 0-@ 9 ?) C@?79=# *;= / +7 ; / 7 47 + ? =9-9 0C9= +7 ? *449??08A 9;-9 0C9 +7 4F9;?# 7*8=9;?# *;= 08B? * ?08+ 0 ?+0;9# 40-989= / +7 C@ C ; +79 '<5 +79 9B* 9 0/98 G : NH I 40;? ?+? 0 * ? ;: 9 0-@ 9# / 7 47 ? *+ 8?+ C80+94+9= 0; A >A +79 ?4* 9? 0 +79 >;= 80B / 7 47 + ??@9=# *;= * +98 98+ <*+ 0;= ?9;:*:9? +?9 80B +79?9# / 79; + ? 40BC 9+9 A 8/F')5 / +7 * :*C ;: B 480CA 9 *+ +? ?@BB + 00; G : NHMI# >9+/99; +79 0-@ 9 *;= +79 ?4* 9? *+ +? >*?9# * ?B* 4@C ? =9-9 0C9=# / 7 47 :8*=@* A ?/9 ?# >940B9? 89= *;= ?@44@ 9;+# *;= 9;=? >A * B0?+ 9;+ 89 A 40-98 ;: +79 ?99= G : NH I +7 ? 4@C ? ;0+7 ;: >@+ *; 9;08B0@? =9-9 0CB9;+ 0 +79 @; 4 9# / 7 47 +7@? @8; ?79? *; 9;-9 0C9 +0 +79 8@ +# / 7 47 7*= ;0+ 9-9; +79 C80+94+ ;: ?4* 9 0 +79 #8'& *;= #"&G+ : MOQI ; +79 .#8)!'>$"'1 G :? NH # NHN# NHO# NH I# +79 ?@449?? -9 ?+*:9? 0 =9-9 0D6B9;+ 0 +79 /"#!!3) 6 G*I *89 9*? A 0 0/9= GH# # M# I 6 +=09? ;0+ ?C8 ;: C@6+79 @; 4 9 GPI# 7@+ 80B +79 B 480CA 9# +79 9=:9? 0 / 7 47 = *+9 >A =9:899? ?0 L 6 ? +0 08B *80@;= +79 ?99= * ?@44@ 9;+# 00?9# 0 =9= >*:# 0C9; +0 / *8=? +79 47* *<*

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+ B @?+ >9 0>?98-9= +7*+ +7 ?*8 04 9# ?+*8+ ; : 80B +79 B 080CA 9# / 7 47 ? -98A ;9*8 +79 7 @B # @; +9?*+ *-98A 9*8 A ?+*:9 / +7 +79 @; 4 9# 0 / 7 47 + *CC9*8? +0 >9 *;*CC9;=*:9# >@+ +? 08 : ; B*A >9 8940:; <9= ;-98A A0@;: 0-@ 9? ;+ 9 9$ '75 +79 9?7A *;= 70;9A40B>9=9;-9 0C9 0 +79 ?99=# / 7 47 08B? +79 *80B*+ 4 ?@>?+*;49 4* 9= /2'5 B*A $>9 00F9=@C0; * * *;95C*;?0; 0 +79 B 480CA 9 ; 9.I#3"%#/ G : NHQI# +79 4 84@B 989;49 0 +79 B 480CA 9# / 7 47 08B9= *+ 8?+ * ++ 9 ? / 9 ; :# +7 4F9;? 9;08B0@? A2* +98 98+ <*+ 0;# *;= 08B? *? ?B* 9?7A = ?F# 0 / 7 47 +79 49;+8* 4*;* # *+ 8?+ 9= / +7 +79 40;=@4+ ; : + ??@9# >940B9? >A =9:899?? ?+0CC9= @C ; 3!-7/!/ G : N I# +79 ++ 9 +7899 0>9= >0=A *+ +79 >*?9 0 S+79 ?99= 7*? +79 ?*B9 08 : ; *? +79 = ?F 0

N H ?4 9C *?' NHQ @C7O8> * N O A:* * N M 79 =O; @B
99= GB*: I 99= 480 / ;9= >A 99= 4*CC9= >A * 9*8+?9*?9 99= GB*: I 99= 4@+
a / +7 7* 8A *8 O=9 *' 9?7A *8 O=9 4*8+ *: ;O@?*8 O=9 -98+ 4* A GB*: I
GB*: I GB*: I

9.%3",#/5 *;= +79 B 480CA 9 ? - ? > 9 0;: * +98 98+ <*+ 0; ; &2!'.#/& G : N HI +79 +@ + 0 7* 8? / 7 47 480 / ;? +79 ?99= ? * ?0 *; *8 0=9 C80499=;: 80B +79 B 480CA 9

79 ;*B9 0 &$"3.%#3!2'5 2/"9829!< 7*? >99;: -9;+0 95489?49;49? 0; +79 +9?+*; / 7 47 *89 ;=9C9;=9;+ 0 +79 @; 4 9 08 B 480CA 9# *? +79 : *;=@ *8 489?+ / 7 47 ; '/"$&'/&" G : N I *;= %'!#)38#9 G :# N MI B*8F? +79 C*??*:9 0 +79 8*C79 +79 49 @ *8 B*?? / 7 47 ; &/"9 G : N I 95+9;=? 80B +79 7 @B +0 >9A0;= +79 47* *<*# *;= +79 +@ + 0 7* 8? *+ +79 47* *<*; .#!3,#9 G : I 79 ;*B9 /"#! 7*-;: >99; ;= 989;+ A *CC 9= +0 $"9 /"#!&5 /"#!!3)'&5 &$"3.%#3!'&5 U4# + / 0@ = >9 *=- ?*> 9 +0 F99C +7 ? +98B *? *; :9;98* B 9 08 95489?49;49? 0 -*8 0@? ?08+? / 7 47 *CC9*8 @C0;? ?99=?# *;= +0 B + +79 B9*;;: >A *;* *=D94+ -9 ;= 4*+;: +79 8 08 : ; & 9 ?70@ = +7@? 7*-9 *:98#29!/"# /"#! D #!!3#(5 - .% /5 '< * #2"3.-!/"# /"#! D .#8)!'>$"''5 9.%3",#/5 3!-7/!/5 &2!'.#/& É *"/.%'/8 /"#! D %'!#)38#9 5 &/"9 * 2%/!/J#/8 /"#! D .#K !3,#9 5 U4 ?940;= *=D94+ -9 B :7 =9;0+9 +? ',"/839&5:!'&%-5 %/#"-5 U4 +95+@89

Ga C O> @B GB* I 7* *< *;'+@ +'0'7* 8? N N ;9# B>8AO -98+ 4* AXgB*: I' N O 98>98 ?' 99= 4@+' 4@+ -98+ 4* A' N & * ;@+' 99= 4@+ -98+ 4* A' N Q B9 B>8AO ?C89*= 0@+ GB*: I' &%)+ *+ B>8AO 40 9= 80@;= +? * D;B9;' GB*: I#

:;/=2 2/ 24*+ 7*6 1 ;B0?+C7?9;0:*B 4C *;+?+79 9B>8AO ? = 40+A 9=0;0;

a/79;49 +79 ;*B9 1#23$-!')38& 0B9 ?C94 9? B #8'&5 : N I# C0??9??? 5# ; ;9# *;= 9-9;' +99;' /708 9= 40+A 9=0;?

+798 C7?9;0:*B 4 C *;+? 7*-9 0; A 0;9 40+A 9=0; / 79749 +79 ;*B9 +383K 23$-!')38& 79 40 0@8 0 +79 9B>8AO -*8 9? +? <%#$' ;B0?+ C *;+?# -'!!3< ;?0B9 2#:'"2 5 9 ;/!.#7!3&&#&A7"''8 ;+79 .#8)!'>:"'' *;= + /.!'&5 *;= .#8 2 ;%/!#/ 79 40+A 9=0;? *89 :9;98* A 9?7A# +79 8 C*89;47AB* ? 0 A ;+79 X /!89$ *;= +79 ! 38)A *;= B9* A ;+79 *#)"2'->,'/8E +79A 7*-9 ?0B9+ B9? = ?E + ;4 ;98-9? B '"%'"#&5 : N OI +79A *89 ?9?? 9 =8 C9+ 0 9=# 08 .9=@49= +0 *C9+ 0 9 / +70@+ B> +7 ? ? 9?C94 * A +79 4*?9 ;B0;040+A 9=0;? 79M.*89 !?@* A 9;+ 89 *;= 9R@* # >@+ B*A >9 0>9= B '"/8#F 5 /!89$5 : N I# 08 C* B*+9 B # '5 : N QI# 08 -98A @;9R@* # / +7 +79 ?B* 98 ?4PB ;@+9 +7*+ +79 C *; B :7+ >9 B ?E +*F9;08 *B0;040+A 9=0; B "/.) 70?9 0 +79 /&$9"$#9 *;= 3"&'>2%'&89 @; +9 *? +79A :80/ 0 =;+0 *40BC*4 B*??;?0B9 C*8*?+9? +79A 9;+ 89 A = ?*CC9*8# *;= +79 9B>8AO ? 89=@49= +0 +? *5 ?' *?6 ;9&29$/ G : NM I# /70?9 +789*= F9 ?+9B P

NMH * 0/ B>8AO GB*: I B>8AO ?C89*= 0@+ GB*: I NMM 2&* 0/98 8*;?-98?9 ?94+ 0; 0 ?99= G;*: I M 04F9+ 8*;?-98?9 ?94+ 0; 0 ?99= G B*: I- NM 8*;:9 99= / + 0@+8 +?+9?+* 9B>8AO NMO B0;= %0@> 9 B>8AO? NM ,B0 = B>8AO? ?9C*8*+9=

? *++*479= +0 +79 C *;+? +C89A? 0;# >A ?@4F98? GC HN# : I *;= - ;: 0; +79 8 DR 49?# +@99=? ;0 9*-9? +0 9 *>08*+9 ?*C *;= +79 *=@ + C *;+# F9 +79 9B>8AO# CO??9??9? ;0 9*-9? 0+A 9=0;? *89 ?0B9+ B9? 0 =9= ;7* -9?# * 0;:+79 8 B9= *; ;9 08 40;-0 @+9 B+ /!!3<5 : NMHI 08 ?C 8* B 3. E 3" 48@BC 9= B #8)<'')5 : NM I +79 9B>8AO +?9 ? ? ?+8* :7+# 08 4@8-9=# 08 <:<*:# 08 *;;@ *8# 08 ?C 8* # 08 80 9= ;+0 * > * # U4 +9;+79 8*= 4 9 ? +@8;9= @C 0;+ 9 40+A 9=0;? + ? +79;C *49= *:* ;?+ +79 8 40BB ??@89 + ? ?* = +0 >9 !/$'"/!5 *;= +79 40+A 9=0;? *89 /229 %'8$ B2 /229 %'8$'& /!!:!3<'"5 : NMMI + ? 0;+79 >*4F 0 0;9 0 +79 40+A 9=0;?# + ? ?* = +0 >9)3"&/!5 *;= +79 40+A 9=0;? *89 #829 ,'8$ B2 #829 ,'8$'&5 32%'$5 : NM I

0B9 ?99=? 40;+* ;?9-98* 9B>8AO? +79 "/87" G : NM I 7*? 0 +9; +/0# +7899# 08 0@8 @;9R@* 889:@ *8# *;= 40;-0 @+9# +79 40+A 9=0C*8A 9;=? 0 * *4 ;:+79 47* *<*# *;= +79 8 8*= 4 9? *4 ;:+79 B 480CA 9 +79A * 9*-9 +79 ?99= *+ +79 C98 0= 0 :98B ;*+0; G : NMNI 79 ?99= 0 +79 ! 38) 89R@9;+ A C89E ?9;+? +/0 ?@C98 BC0?9= 9B>8AO?# 0;9# 0 / 7 47 *CC9*8? +0 C80499= 80B +79 8?+# F9 ?@449?? -9 ;+98;0=9? G : NMOI +79A B*A >9 9*? A ?9C*8*+9= G : NM I# /79;+79 8 89?C94+ -9 8*= 4 9? *;= +/0B+0= ;? 4*;>9 C * ; A ?99;

=0;? #?+9B? !&C *; +@ 9?

79 38323$-!')3839& 9B>8AO ? @?@* A 4A ;=8 4 08 0-0 = +0 = ?+ ;:@ ?7 +79

T % C*8+?0 / 7 47 ?40BC0?9=# B@?+79 4@+ -98+ 4* A# / 79; @?@* A=?4 0?9? *; 9 0; :*+9=*5 ?/ +7*?B* C8O+@>98*; 49B*8F9=/ +7*; 0> R@9 08 -98+ 4* ??@89) +7 ?C8O+@>98*; 49 89C89?9; +?+79C @B@ 9 +79 ??@89 +78O@:7 / 7 47 +79 +/0 8?9*-9?/ CC9*8 B*8F?+79 ?9C*8*+ 0; >9+/99; +79 4*@ 4 9 *; =40+A 9=0; / ; :+0 +79?B* ?<9 0 +79 C*8+?# ?0B9+ B9? = 4@ +0=?+ ; :@ ?7+79 40+A 9=0; *8A 8OB+79 8*= 4@ *8 9; =>@+79 *++98# / 7 47*; ?/98? +0+79 B 480CA 9# ?@?@* A; 9*898+0+79 ; +9:@B9; +7*; +79 08B98 +7 ? ? 9- =9; ; +79 ?99= 0 "9 G :NMQF ; /$& *; =0+798 8*+@B949 G8:N F +79 ?99=# 7* -9= 0; : +@= ; * A * 0; :+79 @88O/0; +? ; ; 98 *49# =?4 0?9? *-98A*>@; =*; *8 ; *490@? C*89; 47AB*. +0 0 / 7 47 /9 ?7* C89?9; +A?C9*F 8>B +79 >*?9 0 +79 ?99= * 0; :+?=08?* *49 8 ?9?+79 9B>8A0.(! +0 0 *A9 0/#?9B E +8*; ?C*89; 40 0@8 / +7; +7 ? ? *9?7A 9* G4I# / 7 47 95+9; =?0; 9 +7 8=0 +79 9; :+7 0 +79 ?99= +7 ? 9* 9; 4 0?9? ?9-98* 0+798?# ?@449?? -9A ?B* 98 GOI# / 7 47 9; 0= 9*47 0+798# *; = *89C *49=>9+/99; +79 *8:9?+ 9* G4I *; =+>9 =08?* *49 0 +79 0-*8A GOI * 8?9 80B

NMQ 8@B 99=4@+ -98+ 4* A GB*: I

N H *+ ?0 *+9=9B>8A0 ?99; 0; +?0@+98 *49GB*: '

N M 40; +9 99=4@+ "98+ 4* A GB*: I

N *+ "98+ 4* ?94+ 0; 0 8@ +GB*: I

N *+ 98B ; *+ ; ; 9B>8A0# GB*: I

*; 9; *8:9=; 94F / 7 47 ; *880 / ?+0 / *8=?+79 >*?9 ; +0 *; 0>+@?9 40; 9 +79 ; +98 08 9* GOI ?+79 23$-!')38 +79 0+798?.!+ 08B +79 .!9 9!+79 40; 4* =?F ?+79 2/9!#2!+98B ; *+9=>A+79 8*= 4@ *8 9; = . +

/9 95+8*4+79 9; + 89 9B>8A0 G :N HI# /9 C9849 -9 +79 40+A 9=0; # / 7 47 :*8:9# *; = 70!0/9= ; +0 *?08+ 0 ?CO0; ?7*C9# ; +79 B == 9 0 / 7 47 9?+79 C @B@ 9# 08B ; :*4 ?9=7*:; +79 B == 9 0 +7 ?>*:?*-98A?B* 0; : +@= ; * ? +# / 7 47 9; *8:9?*+98 ; +0 *?79*+7# +0 0C9; *C*??*:9 08 +79 40; +* ; 9= 9*-9? >9 0/?+79 4*@ 4 9# >9*8 ; :+79 40+A 9=0; 0; +?? =9# *; = +79 C @B@ 9 ; +? *5 ?+? 899 9; = ?+98B ; *+9= >A 80@; =9= C80+@>98*; 49?# ; / 7 47 70 9? / 08B# / 79; 49 8*= 4@ *8 >89? / 9B98:9 *+ +79 C98 0= 0 :98B ; *+ 0; # *? 0B ?0 B*; A ?79*+7? G :N # 0 I

>@B9; 1 *; A ?99=?40; +* ; # >9?=9? +79 9B>8A0# *= ?40; ; 94+9= *449??08A B*??0 C*89; 47AB*# ; *B9= /!,9 '8 G/!,9 '85 .'"#&.'" 9 5 +79 08B*+0; 0 / 7 47 / >9 95C * ; 9= ; +79 47*C+98 0; +79 -@9 +? =9?+ ; 9= +0 ; 0@8 ?7 +79 9B>8A0# *; = 95 ?+?*+*; 9*8 A C98 0= ; * ?99=?* 0; A*CO8+0; 0 +6 *>?08>9= >A +79 9B>8A0# +79 89?+7*8=9; ?# @C +0 +79 C98 0= 0 :98B ; *+0; # *; = +799??DDD66 ?* = +0 79 /!,98##839&G'' /!,9 #83&9&I +>9 *>?08>9=# +79 9B>8A0 ?'?/!,9'8#839 _

09' '?/!,9 #83&9& ' 79' * >@B9;' B*0' >9' -98 0' 40C 0;?' G 238#$'5 :' N MI#' 08' 95+89B9 A' +7 ;'*;='* B0?+' B9B>8*;0@?'' ;':9;98*' +' ?' *8:9?+' /79;'+79' 9B>8A0' ?' ?B* 9?+#' *;=' (#2'' ('"&/' +' ?' ?* ='+0' %'':/"#8/2'39&' GT5':/"#8/2'9 5' /79;' +?' 49 ?' *89' 9=' /+7 ?+*847' B 92%<%'/$5 /"!'-5 /$&5 :' N '' 9 '?5 :' N I'' :!'&%-' G/' 2/"83&9 5' /79;' +?' C*89;47AB*# / +70@+' >9 ;:' *8 ;*490@?# ?' +7 4F' *;='?0 +' G '"%'"#&5 :' N O'' '/"$&'/&'5 :' N '' #7%$&%/)'I'' 92#!/7#839&' G/' 92#!/7#83&9 5' /79;' +' ?' ?;4 ' '.4@9;+' *;='* B0?+' R@ ='' +' ?' +79;'8*C = A'*>?08>9=# *;='B*A'* B0?+' 9;+89 A'= ?

N ' 9*8+?9*?9 ' 99= 4@+' -98+4* A' GB*: I

N N' OCCA' 99=' 4@+' ' -98+4* A' GB*: I

6 O' ABC789*' 99=' GB*: I

99= 4@+' -98+4* A' GB*: I

N O' -A' 99=' 4@+' -98+4* A' GB*: I

*CC9*8' G #8)<'')I'' 3!'/7#839&' G/' 3!'/7#83&9 5' /79;' +?' C*89;47AB*' 40;+* ;?'*' 59=' 0'G 3..-5 :' N NI'' %3"'8-' G/' 23"'8'9 5' /79;' +?' C*89;47AB*'+7 4F9;?'*;='7*8=9;?' G /!#9 5' 3:.'5 "#& E' !#F'' #(3"-' G/' '%9"'8'9 5' /79;' +' 7*?' +79' 40;?2?+9;4A' *;=' C0 ?7' 0' -08A' G %-$'!'.%/& ' ;' '..'''*;=' - .%</' G :' N OI#' U4# +79' ?99=' 40;+* ;?'+/0' ?08+?' 0'* >@B9;'' /747' /' '>9' ;0+49=' /79;'+89*+ ;:'0'+79'0-@9 79' 9B>8A0 ?' /?#!'5 /79;' +?' = 894+0;' 40889?C0;=?' / +7' +7*+' 0'+79' *5?' 0'+79' ?99=' G '/"$&'/&'5 :' N NI'' +' ?'.'"#.%'"#2' G9'.'"#>' .%'"#29&5 /79;' +' 0 0/?'+79'4 84@B 9889;49'0' +79' ?99=# *;=' ?@880@;=?' +79' * >@B9;' G 3&'' / .#385 :' N I'' +' ?"9 #8/$''G/' "9 #8/>' $9 5' /79;'+79'+9?+*'08'9;=0C 9;8*' 08B?' 0=?' /747'*89'C80D94+9=' ;'+79' ;+98 08'0'+79'?99=# *;=' 08B' ;40BC 9+9'?9C+*' ;'+79'+7 4F;9??'0' +79' * >@B9;# F9' +79' 0=?' 0@;=' ;' +79' =0@> 9'?+0B*47'0'8@B ;*+ ;:'B*BB*?' G (-5' :' N QI

N ' (@;9A >9*;' 99=' :98B ;*+ ;:

98B ;*+0; 1 98B ;*+0;' ?' +79' *4+0;'>A' /747'+79' 9B>8A0' :80/?' *;='+780/?' 0' +?' 40*+?# ;* A' ?@CC08+ ;:' +?9 '>A'=8*/E ;:' +?' ;0@8?7B9;' 80B' / +70@+' #

79' 89'9;=' 0'+79' 4*@ 49' G :' NN # 4' +98B ;*+9=' ;='+79' 8*=49# @?@* A' 9; *8:9?' 79' 08 49' 0' +79' B 480CA 9# *;=' 9B98:9?'' ?00;' +79' 9;+89' 4*@ 49'+780/?' 0' +?' 9;-90C9?# / +7' 'Y +79' 40+A 9=0;?' G0I' *;='+79' C@B@9' G0I'' +79' *++98' 9;:+79;?' ;' +?' +@8;6 =' +?' ++9' 9*-9?' 95C*;='*?' +' 8?9?'' *+' +79' ?*B9' + B9' +79' 8*=49' *;=' =9?49;=?' ;+0' +79' 9*8+7' '+79' 4*@ 49# / 747' ?' +79' 8?+' ;+98;0=9

:98B 40+A 9=0@? 9;40?9=' ;'+79'+9?+*# %

#

HH ' %'

0 '+79' C *;+# 9; :+79;?' =@8 ; :' :98B ;*+ 0;# +79' 40+A 9=0;?' *89' 8* ?9=# *;=' *CC9*8 *>0-9' :80@;=' +79A' *89' +79;' ?* =' +0' >9' '.#7'/!' G4' '.#72'#5 *#)8'->%'/85 :' N ' /)#&%5 # ' ' & 79;'+79' 4*; !4 9' ?' -98A' ?708+# *;=' +79' C @B@ 9' G/7 47' 08B?'+79' ?940;=' ;+98;0=9I' 8*C = A' 9; :+79;?# +79' 40+A 9=0;?' 89B* ;' ;' +79' :80@;=# 0 +9;'9-9;' / +7 ;' +79' ?99= 40*+?' +79A' *89' +79;' ?* =' +0' >9' %-.37'/!'G4' %-.37<#5 ./8#&% *#)8'->' !'/85 /%5 "/ #8'2'5 "/87'5 :' N HI

;' B0;040+A 9=0;?# +79' 9-0 @+ 0;' 0 ' +79' 8*= 4 9' C89?9;+?' *' 89B*8F*> 9' C94@ ' *8 +A)' +' ?' C80- =9=' *+' +79' >*?9' G :' N I' / +7' *' ?08+' 0 ' ?79*+7# ;*B9=' +79' 23!'3"%#J/' +7 ?' ?';0+7 ;:' >@+' *;' 0@+98' 49 @ *8' *A98' /7 47# 7*- ;:' >99;'@;*> 9' +0' *440BC*;A' +79' =9-9 0CB9;+' 0 ' +79' 8*= 4 9' . +& 7*?' >99;' C 9849=' >A' +

>9+ / 99 ;' +79' ?@ . *49?' 0 ' +79' 49 ?'' >@+' ' +79' + ??@9' ?' 00?9# +79' 49 ?' 89+* ;' +79 8' 80@ ; =9=' 086 ;# * ; =' 9*89' *8 : 98' 08' ?B * 98' #8$'"2'!!9!/'' 2/8/!& G : ' I ' 79?9' ?C*49?' 044@8' >9+ / 99 ;' C0 A79=8* ' 49 ?' / 79 ;' * ;' ;+98C0?9=' R@ =' 08' :*?' = ?C *49?' +79 B '' * ; =' +' B *A' 7*CC9 ;' G : ' N I' +7 *+' ' *' 89 : @ *8' C89??@89' ?' 9598+9=' ;' ;9 : 7 ' >0@ ; :' ?C*49?# 9*47' 0 ' / 7 47' ?' 4 84@B ?48 >9=' >A' *' ?B * ' ; @B >98' 0 ' 49 ?# +79' *++98' B *A' >9' = ?D0 ;+9=# * ; =' *' C08+ 0 ;' 0 '+79 8' / * ?' C89??9=' ; / *8=?'' >@+' / 7989' +7989' *+9' + / 0' 40 ;+ : @0@?' ?C*49?# +79' C89??@89?' 80B' / +70@+' / ' 40@ ;+98*4+' 9*47' 0+798# * ; =' +7N' 49 ?' 89B * ;' 407989 ;+'' +79A' +79 ;' +*F9' +79' ?7*C9' 0 ' ?+*8?# +79' 40 ;+ : @0@?' 8*A?' 08B ; :' ?+7B@?9?' / 7 47' ?9C*8*+9' +79' ?C*49?

0B9+ B9?' +79' ;+9849 @ *8' ?C*49' ?' 4 84@B ?48 >9=' >A' *' : 89*+' B * ; A' 49 ?'' +' ?' +79 ;' 4* 9=' *' !/2 F/' 79?9' !/2982''=0' ; 0+' * / *A?' 89?@ +' 80B' +79' = ?C *49B9 ;+' 0 '+79' ?@880@ ; = ; :' 49 ?# >@+' 80B' +79' =9?+8@4+ 0 ;' 0 ' ?9-98*' 0 ' +79B# 08' +79' 8*C =' :80 / +7' 0 '+79' C * ;+

;' +79 8' 9*8 9?+' 40 ; = + 0 ;' 49 ?' *89' ?*4?' ?@880@ ; =9=' >A' *' +7 ;' 70B0 : 9 ; 90@?' B9B>8* ; 9# / 7 47' ?' ?0 +' * ; =' B0 ?+' *+' 8?+# >@+' =8 9?' >A' =9 : 899?' 0B9+ B9?' +7 ?' B9B>8* ; 9' 40 ; ?+ +@+9?' +79' ?0 9' / * ' 0 '+79' 49 # ?0B9+ B9?' +' ?' ; 9=' >A' *' ?940 ; ='' >@+' +79' *++98' =09?' ; 0+' 08B' *' 40 ; + ; @0@?' ?*4'' +' ?' / * ; + ; :' 7989' * ; =' +7989# * ; =' 0C A' C*8+ * A' ; 9?' +79' 0@+98' B9B>8* ; 9'' +79' 89?@ +' ?' +7*+' +7989' *89' +7 ;' *89*?' Z6989

N N' =98' *A9=' 49 ?

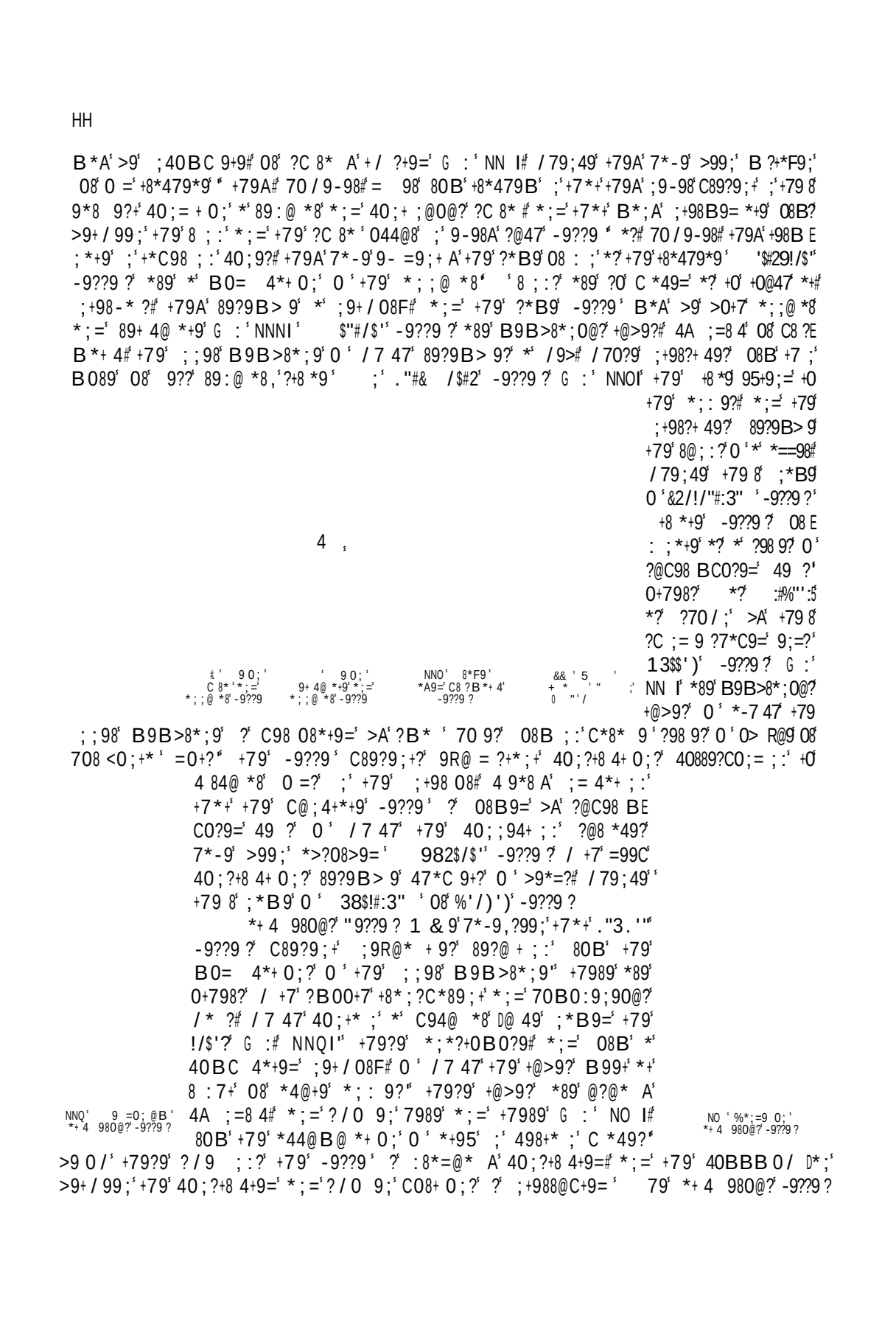
N Q' $ 4 9+0 *A9=' * ; =' 89+ 4@ *+9' 49

N ' ?+ 9+0' ; ; @ *8' 49

N Q' ,47 =' C 8*' '49

+7989' ?' >@+' 0 ; N' B9B>8* ; 9# * ; =' +7 4F' *89*?' / 7989' +7989' *89' + / 0' & 79 ;' +79' ; ; 98' B9B>8* ; 9' ?' =9 4 9 ; +' 0 ; A' ;' ?B * ' ?C0+?# +79?9' *CC9*8' *?' .982$9''' & G : ' N I' 08' ?7O8+' !#8'& G : ' N NI'' / 79 ;' +' ?' *>?9 ; +' 0-98' 40 ; ? =98*> 9' 889 : @ *8' *89*?# +79' +7 ;' C *49?' 08B' * ;' 889 : @ *8' 8'$<3"F' G : ' N OI# 0 ' / 7 47' +79' 0C9 ;' C*8+?' * ; ? / 98' +0' +70?9' / 7989' +79' ; ; 98' B9B>8* ; 9' ?' / * ; + ; :# * ; =' +79' +789*=?' +0' +79' C*8+?' / 7989' +' ;9?' +79' 0@+98' B9B>8* ; 9' *?+ A# / 79 ;' +79' ?0 @+ 0 ;' 0 ' 40 ; + ; @ +A' 0 '+79' ; ; 98' B9B>8* ; 9' ?' 95+89B9 A' 89 : @ *8# +79' 0C9 ;' ?C*49?' *89' ?9C*8*+9=' >A' C*8* 9 ' +7 4F9 ; 9=' 8 ; :' ?G : ' N I# 08' *' +7 4F9 ; 9=' ?C 8* ' / 7 47' C*??9?' 80B' 0 ; 9' 9 ; =' 0 ' +79' 49 ' +0' +79' 0+798' G : ' N QI ' 9 ?' B *A' 9 +798' >9' %3 37'8'39&5 08' . 982$/$''5 08' "'/-')5 08' "'$#29!/$''5 08' &.#"/!5 08' /889!/"'' * ; =' ;' B * ; A' 4*?9?' +79' ?*B9' 49 ' C*??9?' ?@449?? -9 A' +780@ : 7' B089' +7 * ; ' 0 ; 9' 0 ' +79?9' 08B?' ' +' 89R@9 ; + A' 7*CC9 ; ?' +7 *+' *' +7 8=# 0@8+7# 08' +7' B9B>8* ; 9' ?' =9-9 0C9=' / +7 ;' +79' ?940 ; =# >A' / 7 47 +79' / * ' 0 ' +79' 49 ' ?' 40889E ?C0 ; = ; : A' +7 4F9 ; 9=' ' +' 7*?' >99 ;' 0>?98-9=' +7 *+' +79?9' ?@449?? -9' B9B>8* ; 9?' @?@* A' B0@ =' +79B?9 -9?' @C0 ;' +79' ?940 ; =# ?0' +7 *+' +79' +7 ;' * ; =' +7 4F' C08+ 0 ;' ?' 0 ' +79' 49 ' 40889?C0 ; =' +780@ : 70@+

>89? 1 79' 9 ; : +7' 0 ' +79?9' -*8 9?# >@+' B0?+' 7*-9' *' -98A' +7 4F' / * # 08B9=' *+' 8?+' 0 I*' ? ; : 9' B9B>8* ; 9# ; 9=' +A' *' ?@449?? 0 ;' 0 '0+798?' =9-9 0C9=' / 6+6 8=' *?' +79' 4*- +A' 0 '+79' >89' = B ; ?79?' B089' * ; =' B089' / +7' * : 9# +79' >89' ;* A' *CC9Q6,LK



/ 7 47 40 ; + * ; ? + +*847 : 8* ; ? B * A >9 9*? A 95*B ; 9= >A B0 ?+9 ; ; : * ? 49 0 49 @ *8 + ??@9 40 ; + * ; ; : +79 B * =80C 0 0= ; 9 / +79 ; 40 0@8 +79 ?+*847 : 8* ; ? > @9 - 0 9+# * ; = >8 ; : 0@+ 4 9*8 A +79 = ?+ ; 4+ 0 ; >9+ / 99 ; +79 49 * ; = +? 40;E +9 ; +? +79899 >9 : 8* ; ? 0 * >@B9 ; * 440BC* ; A ; : +79 ?+*847 : 8* ; ?# +79 0= ; 9 / 40 0@8 +79B >80 / ; 08 A9 0 /

%!3"3.%-!! 08 2%"3 9!" ? * : 899 ; ?@>?+* ; 49# / 7 47 08B? *F9? 0 * : 9 *+ ; 0@? 40 ; ? ?+9 ; 49 0*+ ; : ; +79 40 0@8 9?? R@ = 0 +79 49 ? +79?9 *F9? 7*-9 *+9 ; =9 ; 4A +0 : *+798 *80@ ; = 08 40 94+ 0 ; +79 ; ; 98 49 / * ?# 08 0 ; +79 40 ; +* ; 9= ?+*847 08 /!'9"38" : 8* ; ? 7 080C7A 40 ; ?+ +@+9 +79 : 899 ; 40 0@8 0 C * ; +? + ? = ??0 -9= >A * 4070 # / 79 ; 49 + 7*: >99 ; ?@CC0?9= +0 >9 0 * 89? ; 0@? ; *+@89

79 A9 0 / 40 0@8 ; : B *++98 0 49 ? ? ? B *8 ; 40 ; ? ?+9 ; 49 * ; = C80C98+ 9? +0 47 080C7A " >@+ 89=# - 0 9+# 08 > @9 40 0@< @: B *++98? *89 * / *A? R@ =

!'9"38" *>0@ ; =? ; 8 C9 ?99=?# * ; = ? * / *A? 0@ ; = 9 +798 ; +79 9B>8A0 08 * >@B9 ; *8+ : 40 ; ? =98? * ; * 9@80 ; 9 : 8* ; +0 >9 *- 9? 4 9 / +7 * =0@> 9 B9B>8* ; 9# 40 ; +* ; ; : * 40 0@8 9?? / *5A B *??# / 7 47 ? 40 0@89= A9 0 / >A 0= ; 9#

*; = ? 08= ; *8 A ?0 @> 9 ; / *+98
; 498+* ; C * ; +? + *??@B9? *
/ 9 =9 ; 9= 48A?+* ; 9 08B G :?
NO # NO I " ; 0+798?# +79 ; @4 9@?
0 +79 * 9@80 ; 9 B*?? 7*? 48A?+* E
<9=# / 7 9 +79 ?@880@ ; = ; : *A98?
89B* ; *B08C70@?# * ; = +7@? +79
:8* ; C89?9 ; +? * 80@ ; = 08 0-0 =
08B 9@80 ; 9 ? 9??9 ; + * A
08B9= 0 ?@>?+* ; 49? / 7 47 *89
40 94+ -9 A +98B9= ."3$'#8 G 08
/ 7 47 ?99 +79 ?94+ 0 ; 0 ; "9:9+*> 9 7A?0 0:AI
4408= ; : +0 *8+ :# +79 C*8+ 4 9? 0 +79 892!'9&
@ ; =98:0 +79 0 0 / ; : +8* ; ? 08B*+ 0 ; ?) H#+79 ; @4 9@?
? +8* ; ? 08B9= = 894+ A ; +0 47 080C7A # 94@ *# 08 * 9@80 ; 9 # + ? +8* ; ? 08B9= ; +0 ?+*847 * ; = +79 ?+*847 ; +0 * 9@80 ; 9 M# + ? +8* ; ? 08B9= ; +0 47 080C7A # * ; = +7*+ ; +0 ?+*847# / 7 47 * : * ; C*??9? ; +0 * 9@80 ; 9

NO *+7B*
9 40 ; +* ; @: 48A?+* ? 0
* 9@80 ; 9# ; +79 B =?
0 49 ? 40 ; +* ; ; : 47 06
80C7A

å6 M @@D95
9 ?40 ; +* ; ; :
8*C7 =9?

79 *+ 4 980@? -9?? 9 ? 40 ; +* ; * *8 : 9 R@*; + +A 0 C0 / =98A :8* ; @ 9?# / 7 47 0*+ ; +79 !/$'?5 ?0B9 0 / 7 47 *89 -98A *8 : 9 * ; = 40 0@8 9??# * ; = C*8+*F9 0 +79 ; *+@89 0 ?+*847

? +0 +79 ?*C / 7 47 ? +79?9 49 ?# * ; = 8 ?9? ; +79 -9??9 ?# + ? * 40 0@8 9?? R@ =# 70 = ; : ; ?0 @+ 0 ; +79 B*+98 * ? 08 49 08B*+ 0 ; * ; = 49 40 ; +9 ; +? 79 0+798 R@ =?# 9 +798 40 ; +* ; 9= ; +79 49 ?# 08 ; +79 ; +9849 @ *8 ?C*49?# *89 59= 08 -0 *+ 9 0 ?# +@8C9 ; + ; 9?# ?@ : *8 08 : @B# = ??0 -9= ; / *+98 ; * A# /9 ; = :*?9? 044@CA ; : +79 ; +9849 @ *8 ?C*49?# ?0B9+ B9? *+ 40 ; ? =98*> 9 =9C+7?

9? =9? +79 ?0 = 08 : *; 4 ?@>?+* ; 49? *>0-9 =9?48 >9= *? 044@88 ; : ; +79 49 @ *8 + ??@9# ?C94 * 49 ? 044@8# 40 ; +* ; ; : B ; 98* ?@>?+* ; 49?# +79 6$69 +? 0 / 7 47# 9 +798 40BC0@ ; = 08 ? BC 9# 7*-9 >99 ; 4*88 9= @C >A +79 ?*C# * ; = V,-XX98A ?+* <9= ; +79 49 ? 70?9 0 / 7 47 +79 9 9B9 ; +? / 989 08 : ; * A ; 40B> ; *+ 0 ;

/0@ =ˢ 48A?+* <9ˢ*+ˢ0;49ˢᶠ >@+ˢ 08ˢ+79ˢ0+798?#ˢ +ˢ ?ˢ ;949??*8Aˢ+7*+ˢ+79ˢ9 9B9;+?ˢ / 7 47ˢ 7*-9ˢ*ˢ894 C804*ˢˢ* ; +Aˢ?70@ =ˢ>9ˢ@; +9=ˢ ;ˢ C80C98ˢ C80CO8+ 0;?ˢ ;ˢ* ˢ4*?9?#ˢ +ˢ ?ˢ 0; Aˢ=@8 ;ˢ 9ˢ+7*+ˢ+7 ?ˢ 48A?+* <*+ 0;ˢ ?ˢ 4*88 9=ˢ 0;# 08ˢ+79ˢ 48A?+* ?ˢ *89ˢ 0@;=ˢ ;ˢ ?C94 *ˢ49 @ *8ˢ + ??@9?#ˢ+79ˢ 08B?ˢ0ˢ / 7 47ˢ=9+98B ;9ˢ+79 8?ᶠ +79ˢ ?*B9ˢ ?* +ˢ >9 ;:# ;ˢ *4+# 0@;=ˢ +0ˢ48A?+* <9ˢ-98Aˢ= 989;+ Aˢ*4408= ;:ˢ +0ˢ+79ˢ+ ??@9?ˢ ;ˢ / 7 47ˢ +ˢ ?ˢ 08B9=

79ˢ48A?+* ?ˢ40;+* ;9=ˢ ;ˢ+79ˢ49 ?ˢ*89ˢ9 +798ˢ?0 +*8Aˢ08ˢ4 @?+989=ˢᶠ ;ˢ+79ˢ *++98ˢ 4*?9ˢ+79Aˢ*89ˢ :80@C9=ˢ ;+0ˢ8*= *+ ;:ˢB*??9?ˢ G :ˢNO Iˢ 08ˢ >@;= 9?ˢ0ˢC*8* 9ˢ;99= 9?ˢ G :ˢNOMIˢ;*B9=ˢ"/<%#)'& .(+ˢ*;=ˢ+79Aˢ B*Aˢ0 +9;ˢ>9ˢ?99;ˢ9?4*C ;:ˢ 80Bˢ+79ˢ49 ?ˢ G4Iˢ /79;ˢ+79ˢ+ ??@9ˢ 40;+* ; ;:ˢ+79Bˢ ?ˢ = ??94+9=ˢ@;=98ˢ+79ˢ B 480?40C9ˢ ;* Aˢ# +79ˢ 49 ?ˢ*;=ˢ9-9;ˢ+79ˢ ;+9849 @ *8ˢ ?C*49?ˢ0 +9;ˢ40;+* ;ˢ? 95ˢ# 0;9ˢ0ˢ+79ˢ B0?+ˢ*>@;=*;+ˢ 0ˢB ;98* ?# / 7 47ˢ40;?+ +@+9?ˢ ?*;=ˢ*;=ˢ ;+ᶠ +7 ?ˢ? 95ˢ 9-9;ˢ 9;48@?+?ˢ+79ˢ+ ??@9?ˢ0ˢ 498+* ;ˢ C * +?# *;=ˢ ;0+*> Aˢ +79ˢ ?+8*/ˢ 0ˢ "/ #8'2'5 98+* ;ˢ B ;98*ˢ 40;489+ 0;?ˢ *89ˢ 0>?98-*> 9ˢ ;ˢ +79ˢ 9*-9?ˢ 0ˢ?0B9ˢ "$#/'<ᶠ ˢ +79ˢ 9*ˢ0ˢ*ˢ '$$!'ˢ>9ˢ- 9/9=ˢ / +7ˢ *ˢ 9;?# +8*;?C*89;+ˢKC0+?ˢ B*Aˢ>9ˢ= ?+ ;:@ ?79=ˢᶠ +7 ?ˢ ?ˢ=@9ˢ +0ˢ+79ˢC89?9;49ˢ0ˢ 4* 4*890@?ˢ C*8+ 4 9?ˢ=9C0?+9=ˢ ;ˢ+79ˢ 0@+98ˢ 49 ?#+0ˢ / 7 47ˢ & 9==9 ˢ7*?ˢ : -9;ˢ+79ˢ ;*B9ˢ0ˢ2-&$3!#$%&ˢ 79?9ˢ4A?+0 +7?ˢ= 98ˢ 80Bˢ+79ˢ48A?+* ?ˢ89C89?9;+9=ˢ ;ˢ :ˢNO # ;ˢ>9 ;:ˢ=9C0?+9=ˢ ;ˢ 4* 4*890@?ˢ *WB8?ˢ *80@;=*ˢ;@4 9@?ˢ 08B9=ˢ*+ˢ+79ˢ95C9;?9ˢ0ˢ +79ˢ49! /* # / 7 47ˢ 7*?ˢ>99;ˢC@!9=ˢ*?=9ˢ>Aˢ+79ˢ *44@B@ *+ 0;ˢ 0ˢ B ;98*ˢ B*++98# *;=ˢ7*?ˢ 9;:+79;9=ˢ ;+0ˢ*ˢ-98Aˢ=9 4*+9ˢC9= 49ˢ 80Bˢ / 7 47ˢ+79ˢ4A?+0 +7ˢ ?ˢ?@?C9;=9=ˢ 7?ˢ08B*+ 0;ˢB*Aˢ>9ˢ40BC*89=ˢ / +7ˢ+7*+ˢ0ˢ?+* *4+ +9?

C =98B ? D 9 089ˢ+89*+ ;:ˢ0ˢ+79ˢ*;*+0BAˢ0ˢ+79ˢ:98) / '8$/!ˢ 3"7/8&5 /9ˢ?7* ˢ =9?48 >9ˢ+79ˢ'.#)'" #&5 / 7 47ˢ 40-98?ˢ +79ˢ ?@8 *49ˢ 0ˢ+79ˢ-9:9+*> 9ˢ ˢ+79ˢ 9*ˢ0ˢ*ˢ

#!-ˢ 08ˢ "#&ˢ >9ˢ +08;# *ˢ ?789=ˢ 0ˢ+8*;?C*E
89;+ˢ 40 0@8 9??ˢ B9B>8*;9ˢ ?ˢ =9+*479=ˢ 80Bˢ
0;9ˢ0ˢ+79ˢ 8*:B9;+?# +0:9+798ˢ / +7ˢ ?0B9ˢ
49 @ *8ˢ+ ??@9# 9=ˢ/ +7ˢ:899;ˢ47 O80C7A ᶠ
*ˢ ? BC 9ˢ 9;?ˢ ?70/?ˢ 0;ˢ +7 ?ˢ B9 ;>8=;9ˢ
?9-98*ˢC*8* 9ˢG :ˢNONIˢ08ˢ89+ 4@ *+9ˢ ;9?ˢ
G :ˢ NOOIˢ *;=ˢ?B* # B089ˢ 0C*R@9ˢ ?C0+?
!;=98ˢ*ˢB 480?40C9# +ˢ ?ˢ?99;ˢ+0ˢ>9ˢ 40BE
C0?9=ˢ0ˢ *8:9ˢ *+ˢ 49 ?# / 7 47ˢ B*Aˢ >9ˢ
795*:0;*ˢ 08ˢR@*=8 *+98* # 08ˢ 889:@ *8 Aˢ
/*-9=# *;=ˢ / 7 47ˢ 40;+* ;ˢ *ˢ 40 0@8 9??ˢ
R@ =ᶠ +79 8ˢ *+98*ˢ / * ?ˢ *89ˢ 4 0?9 Aˢ
@; +9=# / 79;49ˢ +79ˢ ?0 = +Aˢ0ˢ+79ˢ 9C =98E
B ?ᶠ +79 8ˢ 0/98ˢ ?@8 *49ˢ ? :7+ Aˢ*=7989?ˢ
+0ˢ +79ˢ ?@>D*49;+ˢ 49 @ *8ˢ + ??@9ᶠ +79 8ˢ
95C0?9=ˢ / * ?ˢ *89ˢ@?@* Aˢ+7 4F98ˢ+7*;ˢ+79ˢ0+798?#*;=ˢ B*Aˢ>9ˢ *+ˢ#08ˢ 8* ?9=ˢ ;ˢ+79ˢ 49;+89# *4408= ;:ˢ*?ˢ+79ˢ?@8 *49ˢ0ˢ+79ˢ 9C =98B ?ˢ ?ˢ ?B00+7ˢ08ˢ80@:7

;ˢ B0?+ˢ 4*?9?#ˢ+79ˢ 9C =98B ?ˢ ?ˢ 40BC0?9=ˢ0ˢ*ˢ? ;: 9ˢ *A98ˢ0ˢ 49 ?ᶠ / 79;ˢ +7989ˢ ?ˢ*ˢ?6;=#ˢ +ˢ ?ˢ @?@* Aˢ 08B9=ˢ0ˢB@47ˢ?B* 98ˢ49 ?ˢ 79ˢ *+98*ˢ / * ?ˢ 0ˢ*ˢ ˢ+79ˢ 4C+ 98B*ˢ49 ?ˢ *89ˢ;0+ 40;+ :@0@?ˢᶠ B*;Aˢ0ˢ+79Bˢ C89?9;+ˢ ;+98?C*49?# 044@C 9=ˢ >Aˢ ++ 9ˢ>0=9?ˢ89?9B> ;:ˢ*ˢ>@++0;# 70 9ˢ / +7ˢ *ˢ =0@> 9ˢ 8 Bˢ 08ˢ >08=98ˢ G :?ˢ NON# NOOI#

<'<', =
1,30/ : ,-'7*3 -62 : 767

NOOˢ * ?*Bˢ
C =98B ?ˢ*;=?+0B*+*

08B9=5 0 5+/0 5 4@8-9=5 49 ?5 /70?95 40;4*-+9?5 *495 9*475 0+7985 79?95 +/0 5 ?B* 5 CE F95 49 ?5 *895 +98B9=5 &$3 /$/5 $3 /$/5 +70@:75 9C =98B*5 08:*;?# = 985 80B5 +795 9C =98B ?5 ;5 +7*+5 +79 85 49 ?5 *895 B@475 ?B* 98# *;=5 ;9*8 A5 * /*A?5 ? +@*+9=5 >90/5 +70?95 0 5+795 9C =98B ?5 5 +79A5 @8+7985C89?9;+5= 989;+540;+9;+?# *;=5 9?C94 * A5 :8*;@ 9?5 0 547 08OC7D= 5 /79;495 +79A5 B*A5 >95 89:*8=9=5 *?5 ;+98B9= *+95 >9+/99;5 +795 9C =98B ?5 *;=5 +795 ?@>D*49;+5 C*89;47AB*

+0B*+*5 *89 -*8 0@? A5 =?+8 >@+9=5 0-985 +795 ?@8 *495 0 5+795 9*-975) @?@* A5 ?0 +*8A# 0 +9;5 **88*;:9=5 ;5?98 9?#?0B9E + B9?5 480/=9=5 ;5 +795 >*?95 0 5 *54*- +A5 G*?5 ;5 ?0B95 "3$'/2'<5 :?5 NO # NOQI5 79 85 ;@B>985 -*8 9?) +795 "#&5 40;+* ;?5 H # 5 ;5 *5 ?R@*895 ;47" +795 #8F5 # " +795 #!/25 H # 5 & 79;5 B0 ?+9;9=# +79 85 C? ?/9 5 *;=5 >940B95 B089 54@8-9=# *;=5 79;495 :*C9' /79;5 =8A# +79A5 ?708+9;5 *;=5 40 0?9

,6Q' C*8+5 0# *5 *;F?*5 9*# C89?9;+;:5 + 899 ?94+0;? C*8* 9 5 '+0 +79 0/98 ?@8E *49# *;=5 *+5 = 989;+5 =9C+7?GB*:Ik

& 'H * ' * ' 0 ' 0 'E K ' 0 ! " # '8

+0B*+*5 * /*A?5 40889?C0;=5 +05 ;+9849 @ *85 C*??*:9?# *;=5 *895 0@;=5 0;5 +795 08= ;*8A5 9*-975 0 5 7?9;0:*B?# C8 ;4 C* A5 0;5 79 85 0/98 ?@8 *49# 0;5 ?+ C@ 9?# 0; 798>*490@?5 >*8F# 4* A49?# *;=5 0-*8 9?' +79A5 *895 /*;+ ;:5 0;5 800+?# 87 <0B9?# ;0;5 0 *490@?5 C9+ 0 9?# B0?+5 C9+* ?# *;=5 ?99=?' *40+A 9=0;?# *;=5 ?@>B98:9=5 *R@*+ 4 5C *;+?# /7 475 7*-95 ;05 9C =98B ?# 9R@* A5 /*;+5 ?+0B*+*

5 *5 8*:B9;+5 0 5 *5 ?+9B5 085 9*5 >95 B*498*+9=# +795 49 @ *85 + ??@95 >9;9*+7 +795 9C =98B ?5 ?5 8*C = A5 =9?+80A9=# *;=5 +795 *++985 = - =9?5 ;+05 + /05 *A98?# *;5 95+98;*5 9C =98B ?5 C80C98# *;=5 *5 -98A5 +7 ;5 B9B>8*;95 G :5 N I# B0@ =9=5 0;5 +795 9C =98B ?5 *;=5 95+9;= ;:5 9-9;5 0-985 +?5 7* 8?# /7 475 *895 ?79*+79=5 ;5 +5 F95 ;:985?5 ;5 *:0-95 GCI" +5 C89?9;+?5 0C9; ;:?5 GCI' 40889?C0;= ;:5 +05 +795 ?+0B*+*5 80@:;*8+5 7*?5 4* 9=5 +7 ?5 B9B>8*;95 +795 29$#2!"5 G!#$$!"5 &F#8 E +5 ?5 ;05 49 =*8# F95 +795 9C =98B ?5 /7 475 +5 40-985

,+5 <'&',-5 7 -056,2*5 10/10*3,54 7/62 6.0 6.,59*0--5 2 6.0 075 -.28,*+J 5 2*6.0 4110/7*3 280/7 750-5 682 7=0/-5 2 501,30/:750 -5 J T ,;/2 ?7-54 7/;4*3 0-5 62 6.0/,+.6 7*3 0 6 546 10/10*3,54 7/=62 6.0,/0*+6.J (5 2*6.0 280/7 750 7 301/0--,2*5 26.03 8,6.5 .7,/-5 7*3 1,0/503 ;= -62:767 8.,5 52:*4*,5760 8,6.6.0 ,*60/-6,50-5 2 7 ?0/= 22-0 50 4 7/6,--40 ;2?06.,-5 6,--405 6.0 4110/.7 5,-5 7 :7--5 2 5 0 2*+7603 7*3 0/056 50 -10/10*3,54 7/62 6.0 01,30/:,-

,+5 <'Y5 ./00-056,2*-5 17/7 0 62 6.0 1 7*0 2 6.0 07 57//,03 6./24+.6./00-45.301/0--,2*-075.0,/5,1*5 -5/,;03 ;=6.0 ,;/2 ?7-54 7/;4*3 0-5 2 6.0 *0/?0-5 6.0 57?,6=5 76 6.0 ;2662:5 2 6.0 ,+4/0 6.0 -056,2*5 .7-5 57//,03 787=6.0 .7,/-5 5 26.,*+6.0 87 -5 2 6.0 301/0-H -,2*5 07?,*+5 6.0 -62:767 7*3 01,30/:750 -5 ?,-,;0J ,*5 6.0 57?,6=5 2*6.0 /,+.6 6.0 22-0 50 4 7/6,--40 8,5. 4*30/,0-5 6.0 -62:767 2 6.0 01,30/:,-5 ,-5 -00*6./24+.6.0 7660/J ,*5 U5.06.,/3 301/0--,2*6.0 -056,2 7-5 /0H :2?03 7 ;46.,-5 -4;750*6 6,--40 8,6.5 ,6-5 ,*60/5:,, 7/-1750-

79 4@+ 4 9 ? B089 40;?+*;+ A C89?9;+ +7*; +79 9C =98B ? ?@>B98:9= C *;+?*;=*40+A 9=0;? *89 4 0+79= ; + *;=?0B9 >0+*; ?+?7*-9 40;? =989=+7*+ +?70@ = >9 89:*8=9= *? +79 +8@9 9C =98B ? +? 08B*+ 0; ? *++8 >@+9= +0 +79 0-98 0/ 0 +7*+ ;+9849 @ *8 ?9489+ -9 + ??@9 / 7 47 /9 7*-9 * 89*=A ?C0F9; 0 *? ?C89*= ; : +?9 @C0; * +79 08:*;?# *;= / 7 47 =9C0? +? * ?08+ 0 -*8; ?7 08 40;+ ;@0@? *A98 0-98 +79 8 0@+98 ?@8 *49 949; 95C98 B9;+? 0 89BA ?99B +0 ?70/ +7*+ +79 479B 4* 40BC0? + 0; 0 +79 4@+ 4 9 ?*;* 0:0@? +0 +7*+ 0 ;= * 8@>>98# / 7 47 B*F9? + *? @ +*> 9 C80+94+ 0; 08 +79 @;=98 A ; : + ??@9? 89BA 7*? * ?0 = ?40-989= +7*+66 /00=A >89 ? ?0B9+ B9? 4 0+79= / +7 * 4@+ 4 9 ? B *8 +0 +7*+ / 7 47 4 0+79? +79 9C =98B ?

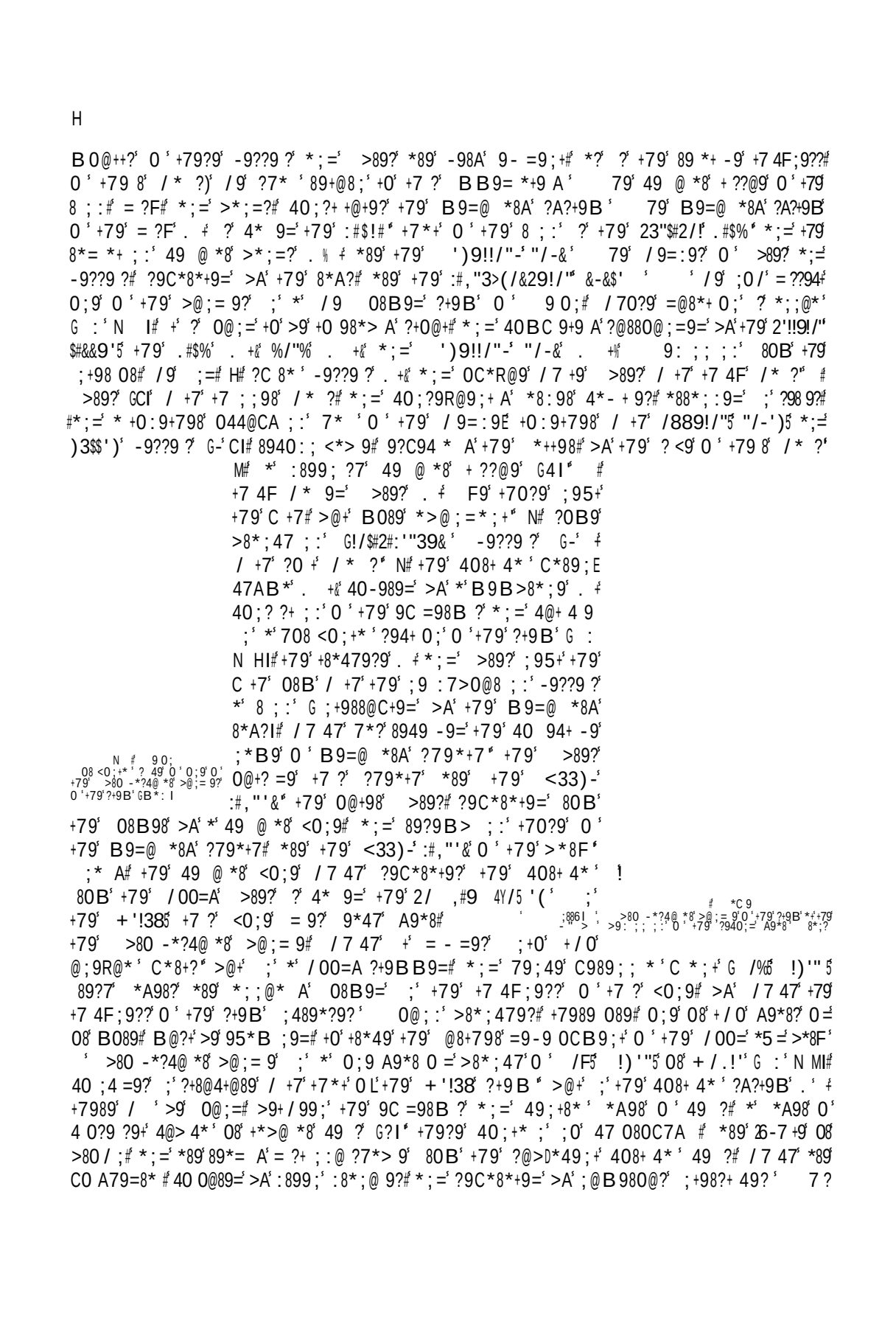
&9 ?7* ;0/ =9?48 >9 +79 *;*+0BA 0 +79 @;=*B9;+* 08:*;? ; ?@449?? 0; 9 +79 -9:9+*> 9 *5 ? G?+9B *;= 800+I# *;= +? *+98* 95C*;? 0;? G 9*-9?# ?9C* ?# C9+* ?# ?+*B9;?# 4*8C9 ?# 0-@ 9?I & 9 7*-9 =9?48 >9= +79 9B>8A0 *? * = B ;@+ -9 C *;+# 80B / 7 47 * +79 C*8+? 9;@B98*+9= *>0-9 / >9 =9-9 0C9= /9 B@?+ +7989E 089 8?+=9?48 >9 +? ?+8@4+@89# *;= +79; +8*49 +? ?+*:9? 0 =9-9 0CB9;+ 80B +? > 8+7 + + >940B9? *C *;+? B *8 +0 +? C*89;+

79 9B>8A0 ;-*8 *> A 40BB9;49? *? * 49 / +7 :8*;@ *8 40;+9;+? ; 40+A 9 =0;0@? C *;+?# +7 ? 49 =09? ;0+ 89+* ; +? 08B *;= ?+8@4+@89 80B ?C798 4* + a>940B9? 0-* +79; *+ 0;9 0 +79 95+89B + 9?# +79 C *;+ ? 38323$-!')383#! :* 80@;=9= 0>9 D23$-!')38 *CC9*8?# 0> R@9 A *;= *+98* A +0 +79 *5 ?)#23$-!'K)3839&5 +/0 *+98* 0>9? D23$-!')38& *CC9*8# 480/; ;: +79 *5 ? +79 9 0;:*+9= ?@BB + 0 +79 *5 ? >940B9? +79 .!9 9!'E 80B +79 0CC0? +9 9;= +79 "/)#2!' / >9 =9-9 0C9=# *;= +79 >0=A 0 +79 49 @ *8 B*?? / 08B +79 2/9!#2!' 0 0/ ;: +79 :80/+7 0 +79?9 @;=*B9;+* 08:*;?# /9 >9: ; / +7 +79 ?+9B # / 7 47 = 98? 89B*8FE *> A# *4408= ;: +0 / 79+798 +79 9B>8A0 ? B0;0 08 = 40+A 9=0;0@?

+9B 0 %40+A 9=0;0@? *;+? 1 *F9 +79 + '!38 *? * +AC9 ; +79 4*@ 4 9# / 7 47 >9 089:98B ;*+ 0; ? 9;+ 89 A 49 @ *8# ?0B9 2'!!& 9 0;:*+9 ;+0 :#,"'&* 498+* ; 0 +79?9 >89?# +0:9+798 / +7 0+798 ?@C98E BC0?9= 49 ?# >89*F +79 +8*;?-98?9 / * ? / 7 47 ?9C*8*+9= +79 B # *;= >940B9 ('&&'!& 7 ? 47*;:9 +*F9? C *49 ; =9 ; +9 C0? E + 0;?# *;= * 708 <0;+* ?94+ 0; 0 +79 ?+9B G : N HI / ?70/ ; +79 49;+89 * = ?F . + 0 *8:9# 00?9# ;9*8 A +8*;?C*89;+ C0 A79=8* 08 ?C798 0 =* 49 ? *+ +79 4 84@B 989;49# * 8 ; : 0 =*8F :899;# B089 4 0?9 A C*4F9= 49 ? 40BB@;4*+ 0; >9 ; : 9?+*> ?79= >9+ /99;+7 ? 8 ; : *;= +79 = ?F >A 8*= *+ ; : >*;=? 0 49 ? . +& 95+9;= ; : 80B +79 49;+89 +0 +79 4 8E 4@B 989;49# *;= = *+ ; : ; +79 ?*B9 = 894+ 0; +79 / 70 9 89?9B> ; : * / 799 # 0 / 7 47 +79 + 89 ? +79 24 84 9# +79 *5 9 +79 49;+8* = ?F# *;= +79 ?C0F9? +79 8*= *+ ; : >*;=? 9+ / 99;+79 = ?F *;= +79 4 84 9# *;= ?9C*8*+9= >A +79 >*;=?# *89 / 9=:9 ?7*C9= C *+9?# / 7 47 +0:9+798 08B 4 84@ *8 :80@C# *;= 40;? ?+ 0 >80 -*?4@ *8 + ??@9# *;= -9??9 ? / 7 47 7*-9 >99; 08B9= ; +79 B == 9 0 +79 49 @ *8 B*??# *;= >940B9 @;+9= ;+0 >@;=9? 79 :*C ;:

N H 9 0;
08 <0;+* C 49 0 + 9 ?+9B
GB*:I

H



A98 ?+ 9 &9%'"5 / 47 ; 498+ ; +899? *++* ; ? * 40;? =98*> 9 =9-9 0CB9;+# *;= 08B? '3"!2 *F9 ;0/ * -98+ 4* ?94+ 0; 0 +>9 ?*B9 >8*;47# *;= +79 = ?C0? + 0;# U4 0 +79 >89? *;= -9??9 ? / *CC9*8 *? ; : N M

79 2/ ,#9 5 / 7 47 =09?;0 >940B9 08:*; <9= ; *;;@* 08 798>*490@? ?+9B? F9 +79 9 0;# ; C989;; * ?+9B? >940B9?7 :7 A 08:*; <9=G : N I# %@8 ; +79 6 6 ?940;= A9*8# +7 ? :9 *+ ;0@? P Z # + ??@9 @;=98:09? +79 0 0/ ;: 47*7:9?) 0@+? =9 +79 /00=A

' 8 " ' -' % & N *C 9 # 08 <0;+* ? 49# ?7O / ;:+79 =9-9 0CB9;+ 0 * /00=A >@;= 9 ; * 7899 A9*8 0 = >8*;47# 4# 4*B> @ *A98# ?9C*8*+ ;:+>9 /00= +,0B +79 >*8F H +7 G I# +8*479*9 G I# C@;4+*+9 -9??9 ?*;= >89? 0 +79 8? A9*8 G-I 8 @;4+*+9 -9??9 ? G-I*;= >89? I 0 +79 ?940;= A9*8 1M " 9??9 ? G-I*;= >89? 0 +79 +7 8= A9*8 & +7 :+79 >*8F G?I ? ?99;+79 408+ 4* *A98 0 +79 8? A9*8 GC +# +79;+7*+0 +79 ?940;= A9LV;G D>I *;= 0 +79 +7 8= A9*8 GC I# ?9C*8*+9= >A +79 4* / CB G4I 80B +79 6O;+9B C08+* 90;? /00=A *A98 GB*: I

F 08 <0;+ ? 49 0 */9;+A -9 A9*8? 0 = +8@;F

>89? ;+98?C98?9= / +7 *8:9 -9??9 ? G " I# ? 08B9= 0;9 89?7 4*B> @B *A98 G # -I / +7 ;+79 >89? 0 +79 >98 *;= 0 +79 408+ 4* ?A?+9B *;0+798 ? 08B9= +79?9 *A98?>940B9 B0@ =9= @C0;+79 0 =98 0;9?# *;= +79 <0;9 0 4*B> @B / 7 47 ? +8*;? 08B9= +0 SC80=@49 +79B C89?9;+? * 49 @ *8 08:*; <*+ 0; *+ +70?9 C0 ;+?# / 7 47 40889?C0;=?+0 +79 49 ? 0 +F9 B9=@ *8A 8*A?# ?0 +7*+ +79?9 40;+ ;@9 / +70@+ ;+988@C+ 0; 80B +79 C +7 +0 +79 408+ 4* *A98?

47 8 ;:0 -?4@ *8 >@;= 9? /*? 79;49 80B +? 9*8 9?+ 40;= +0;9;4 0?9= ; +/0 4*B> @B *A98?# 0 /7 47 0;9 >9 0;:? +0 +79 /00=# +79 0+798 +0 +79 >*8F 9*47 0 +79?9 -*?4@ *8 >@;= 9?# *:* ;# ? ; +? +@8;? 9C*8*+9= >A * 4*B> @B *A98# / 7 47 ; +79 +7 8= A9*8 89C9*+? +79 C8049??# C8O=@4 ;:/ +7 ; :;90@? >89? GM I *;= *8:9 -9??9 ? GM -I# *;= 0@+? =9 >98 . + *;= 408+ 4* C*89;47AB * GCI# *;= ?0 0; 9*47 A9*8 0/# 9*47 /00= >@;= 9 >9 ;:40BC0?9= 0 +/0 9 9B9;+?6 *;= +79 *8:9E ?<9= -9??9 ? >9 ;: @?@* A +0/*8=? +79 ;+98 08 0 +79 >@;= 9# /9 4*;# >A 40@;+ ;: +79 8 ;@B>98 /7 47 ? 9*? A *?498+* ;9= >A +79 :*C ;: B0@+7? 0 +79 *8:9 -9??9 ?I# 894F0;+79 ;@B>98 0 *;;@* *A98?# 08# ; * /08=# +79 *:9 0 +79 ?+9B 08 >8*;47 GN: N I ,

+ B@?+79 89B*8F9= +7*+ +79 ?940;=*8A :;90@? >@;= 9? = 98 80B +79 C8 B*8A ;+79 +0+ *>?9;49 0 +8*479*9 +79?9 -9??9 ? >9 ;: 40; ;9= +0 +79 B9=@ *8A 79*+7 & 9 7*-9 ?* = +7*+ +79 B9=@ *8A 8*A? *89 ;0+ ;+988@C+9= >A +79 08B*+ 0;0 ;9/ -*?4@ *8 >@;= 9?# >94*@?9 +79 4*B> @B <0;9 89B* ;? 49 @ *8 *+ +79 C0 ;+? 40 9?C0;= ;:+0 +79?9 8*A? 9*47 ;9/ A 08B9= >@;= 9 /*? @;= - =9=# F9 +7*+ ;D@5+*C0? + 0;/ +7 +# +79 ;@B>98 0 B9=@ *8A 8*A? /0@ = >9 * /*A? Y9>9 ?*B9 >@+ +7 ? ? ;0+ +79 4*?9 *+ +79 4 84@B 989;49 0 +79 C8 B + -9 >@;= 9 0;9 08 B089 0;: +@= ;* ?98 9? 0 49 ? ? =9-9 0C9=# /7 47 89*47 +0 +79 4 84@B 989;49# *;=

H N

= - =9 + 9 ;9 / >@ ; = 9 ;+0 + / 0 08 +7899 C*8+? G : N NI 79?9 49 @ *8 8*A? G # # I# / 7 47 *89 +98B9=& '238) / "- ') 9!! / "- " / -&5 +0 = ?+ ; : @ ?7 +79B 80B +79 C8 B*8A G I # / 7 47 ?+*8+ 80B +79 DI +7 . + # *89 +7@? =0@> 9= ; 9*47 *; ;@* 8 ; : # *; =# F9 +79 *8:9 8*A? >9+ / 99 ; +79 >80 -*?4@ *8 -9??9 ?# 08B * ?08+ 0 -98+ 4* ?9C+* 08 8*= *+ ; : / * ?# 40BE C0?9=L 0 9 0 ; : *+9= *; = ?@C98E BC0?9= 49 ? / 79 ; 49 +79 ; *B9 0 9"#:3" $#&&9 08 +79 B9 X =@ *8A 8*A?

08 <0 ; +* ? 49 ?70 / ; : +79 =9A9 0CB9 ; + 0 + / 0 / 00=A >@ ; = 9? ; * 0@8 A9*8 0 = >8* ; 47 GB* : I

9 ; 49# ; +? +0+* +A +79 ?+9B C89?9 ; +? + / 0 -98A = ?+ ; 4+ ?A?+9B?# +79 / 00=A G<33) 5 *; = +79 408+ 4* D, / "#2 H 79 / 00=A ?A?+9B ? 08B9= 0 +79 49 ; +8* C +7 *; = <0 ; 9? 0 >80 -*?4 ; *8 >@ ; = 9?# ?9C*E 8*+9= >A B9=@ *8A 8*A? 79 ; ; 98B0?+ 0 +79?9 ? +79 B9=@ *8A 7 C708* ?79*+7# 08B9= 0 +8*479?9 *; = >89? *; * 0 : 0@? +0 +79 >98# *; = 0@+ / *8= A 40BC0?9= 0 / 00=A >89? *; = 8*A69=# *; ; @ *8# *; = =0++9= -9??9 ? 79 0+798 <0 ; 9? *89 ? B *8 A 08 : *; <9=# 9549C+ +7 *+ +79A ; 9 - 98 C0??9?? +8*4>9B 79 >*8F ?A?+9B ? 08B9= 0 +79 9C =98B ?# +79 408F# +79 9 ; =0C7 9@B# *; = +79 >*?+ >89? D!#, '" 5 95+98 ; * +0 * ; = *B 0 ; : ?+ / 7 47 +79 *+ 4 980@? -9??9 ? 8*B A & +7 *: 9 +79 49 ? 0 +79 C +7 0?9, 40 0@8# =8A# ?9C*8*+9# *; = ; * A = 9 +79 / 00=A >89? +7 4F9+V# *; = @?@* A = *8F9 ; " 0 +79?9 +79 %' / "$ <33) G)9"/ '8 = 98? 80B +79 B089 8949 ; + A 08B9= 08 &/ .><33) 5 / 7 47 ? B089 / *+98A# ?0 +98# *; = >8 : 7+98 40 0@89= 79 >98 >89? G : N N ,#& *89 B089 ? 9 ; =98# 0 ; : 98# *; = B089 +9 ; *4 0@? +7* ; +79 / 00=A >89? *; = *89 0 : 89*+ @?9 ; +79 B*; @ *4+@89 0 +789*=# 408=# *; = +95+ 9? 79 8 >@ ; = 9? =9?49 ; = - 98+ 4* A * ; = 894+ ; 9*8 A ; +7 ; 40 ; 49 ; +8 4 C *+9?# / 79 ; 49 +79 8 ; *B9 !#, ' G>00FI >@+ ; ?0B9 C * ; +?# *? +79 /F *; = # '5 +79A 08B * ; 9+ / 08F# +79 ; +98?+ 49? 0 / 7 47 *89 044@C 9= >A +79 B9=@ *8A 8*A?

80B +79 B0=9 0 =9 - 9 0CB9 ; + 0 +79 / 00= *; = >*8F ?A?+9B?# + ? 0>- 0@? +7*+ +79 / 00= B@?+ 7*8=9 ; # *; = +79 >*8F =94*A 08 ; * +79 >*8F + ??@9?# +79 *+98 08B9= *89 40 ; ?+*; + A C@?7 ; : +0 / *8=? +79 C98 C798A# / +7 ; / 7 47 +79A 7*-9 >99 ; =9 - 9 0C9= +7 ? C80=@49? +79 95 0 *+ 0 ; 0 +79 ?9 - 98* 9 9B9 ; +? 0 +79 408+ 4* ?A?E +9B +79 9C =98B ? 8?+# +79 ; +79 408F 49 ?# +79 9 ; =0C7 9@B# *; = ?0B9+ B9? +79 >98

+ ? ; 0+ ; 949??*8A +0 =9?48 >9 *; A 0 +70?9 *; 0B* 0@? = 40+A 9=0 ; 0@? ?+9B? / 7 47 C89?9 ; + C94@ *8 + ??@9? 08 7AC98 =9 - 9 0CB9 ; + 0 498+* ; 9 9B9 ; +?# 08 +79 *>?9 ; 49 0 0+798? 9549C+ +7*+ 0 38#: '"& G #8'5 #"5 / "2%5 '<5 U4 I# +79 / 00= 0 / 7 47# / +7 +79 9549C+ 0 ; 0 + 9 / +8*479?9 ; +79 B9=@ *8A ?79*+7# ? 9 ; + 89 A 40BE C0?9= 0 89 : @ *8 A =0++9= >89? 79 / * ? 0 +79?9 / 00= >89? G : N OI *89 70 0 / 9= , ; +0 ?B* 4@C?# F9 / *+47 : *??9?# / 7 47 *89 *88* ; : 9= ; + / 0 6?+8* : 7+ ; 9?# 044@CA ; : +79 0CC0? +9 ? =9? 0 9*47 >89 79?9 4@C? *89 ?0 C *49= ; 40 ; E + : @ +A +7*+ +79 8 40 ; 4*- + 9? 40889?C0 ; = G : N I# 9*- ; : *; ; +98C0?9= 9 ; ? F9

?C*49 79 =0+ ? C *49= ;+79 49;+89 0 9*47 4@C G*;= 40889?C0;=? +0 *+7 C79= C08+ 0;89?@ + ; : 80B+79 *>?9;49 0 +79 ; ;98 B9B>8*;9?I 80B+7 ? +7 ;C08+ 0; +7989 C80499=?# 0;+79 40;-95 +A 0 9*47 4@C# *+ ?7O8+ 4*;* # / +7 0; A 0;9 0C9; ;:# /7 47 9*=? ;+0 +79 ;+98 08 0 +79 >89 79 9;? ?7*C9=4*- +A*8 ? ; : . B /, +79 40;+*4+ 0 + /0 >89? ? @?@* A 9= / +7 89? G$9". '8$#8' 5 /7 47 ; +8*+9? ;+0 +79 4*- +A 0 +79 >89? *;= =9?+80A? +79B >A =9:899?+ +79 89?@ + ? +70?9 89? ;0@? =9C0? +? /7 47 *89 0 +9; 0@;= 32'8. #87 *8:9 4*- + 9? ;+79 /00= 0) P 40; 98? G : N Q# !/

$SS 4

" 98+ 4* ?94+ 0;' 0 +79 ?+9B C # >89 / * 4 # 9;+ 4@ *8 4*- +A 8 B # B9=@ *8A*8*A 4 # 4*- +A ;+ >89

N O ;9 @;4+*+9 >89 GB*: I

08 <0;+* \ 4e?70 / ;:+79 =9-9 0CB9;+0 +/0 /00=A >@;= 9? 7+ +7899 A9*8 0 =>8*;47 GB*: I

+9B? 0 0;040+A 9=0;? 1 &79;+79 B0;040+A 9=0; @? 9B>8A0# /7 47 ? 9;+@9 A 49 @ *8 >9 089 :98B ;*+ 0;# >9: ;? +0 9 0;:*+9# >80 -*?4@ *8 >@;= 9? 08B ;+? ?+9B 79?9 *89 *+ 8?+ *88*;:9= ;+ 8 6 *? ;A0@;:= 40+A 9=0;? >@+ ?00;# 7-+79 9*-9? =9-9 0C# +79 >@;= 9? B@ + C A /+70@+ *;A *CC*89;+ 08=98 ;+79 49 @ *8 + ??@9# >940B ;:B089 ;@B980@? *;= 4 0?9 *? +79A *CC80*47 +79 4 84@B 989;49 0 +79 ?+9B @ A =9-9 0C9= >@;= 9 >9 95*B ;9= @;=98 +79 B 480?40C9 G :NQ I# + ? 08 <0;+* ? 49 0 +79 `+9B 0@;= +0 >9 ?+8@4+@8* A =9;+ 4* / +7 +7*+ 0 * = 40+A 9=0; >9: ; ; ;:80B+79 49;+8* C +7# /9 ;= /* 9= >89? *;* 0:0@? +0 >98 . + +79;+8*479*9 G I# +79;# B 59= /+7 49 ? GCI# ?0B9 0 /7 47 9 0;:*+9 *;=+7 4F9;+0 >89?# *89K ?99;+79 0C9; ;:? 0 8*A9= 08 =0++9= -9??9 ? G-I +79 4 84@B 989;49 0 +79 >@;= 9 ? 08B9= 0 +7 4F /* 9= >89? G!#, '"5 +& 0@+? =9 0 *;= *B0;:?+ /7 47 +79 *+ 4 980@? -9??9 ? 8*B A . % +% @+# +70@:7 ;= - =@* >@;= 9? 89?9B> 9 +70?9 0 * 8?+ A9*8.? = 40+A 9=0;0@? ?+9B# /79;+*F9;* +0:9+798 +79A C89E ?9;+ *-9A6 B CO8+*;+= 989;49 G :NQHI# ;;0+>9 ;:: 80@C9= ;40;49;+8 4<0;9? >@+

NQ 8*;?-98?9 ?94+ 0;' 0 * >8O -*?4@ *8 >@;= 9 0 * BO;040+A 9=0;O@? ?+9B? 0/92+ I

H

. ⁄ 89B* ; ; :' ?0 *+9=' *;=' ?4*++989=' +780@:7' +79' B9=@ *8A' ?A?+9B' / +;0@⁄*;A'
B9=@ *8A' 8*A?' 0 ' B@8 08B' + ??@9 ' 989' +7989' ?' ;0' ?A;@;0+8 4*' *88*;:9B9;+⁄+79
>@;=9?' *89' ?4*++989=' +780@:70@⁄+79' C +7# *;=' B*A' B@+C A' / +70@⁄+>9 ;:' BC9=9='
>A' *+98*' C89??5889⁄ @8+798# 9*47' 89B* ;?' ? BC 9'' *+' ;0' C98 0=' =09?' ⁄+=9-90C'
>9+/99;' +?' >*8F' *;=' /00=' ?A?+9B?' *' *A98' 0 ' 4*B> @B' =9?+ ;9=' +0' 08B' ;9/'
>@;=9?' ;' =40+A 9=0;?# 0;' +79' 40;+8*8A# +79' >@;=9?' *89' C 9??9=' ;+0' <0;9?
80B' +79' 8?⁄' A9*8# *;=' +79 8' /00=' *;=' >*8F' ?A?+9B?' >9 ;:' 40;49;+8 4# +79A' 4*;'
0; A' B@+C A' >A' 89?7' /00=' *;=' 7*8F' >@;=9?' >9 ;:' *;;9=' >9+/99;'
+79B ' 79' 40;?9R@9;49' 0 ' +7 ?' *88*;:9B9;⁄+' 0 ' +79' 780 -*?4@ *8'
>@;=9?' ?# +7*⁄+' ;'=40+A 9=0;?' +79' ?+9B' ?' 7*8=9?⁄+' +0/*8=?' +79' 49;+89#
/7 ?⁄+' ;' B0;040+A 9=0;?' +79' ?+9B' ?' 7*8=9?⁄+' +0/*8=?' +79' 4 84@BE
989;49'' *?' ?' -98A' *CC*89;⁄+' ;' +79' /00=A' G :' NQ I# *;=' 9-9;' ;'
+79' 798>*490@?# ?+9B?' 0 ' B0;040+A 9=0;?' ;' *' 0;: +@= ;* ' ?94+ 0;'
0 ' *' /00=A' G :' NQMI' 08' 798>*490@?' G :' NQ I' B0;040+A 9=0;0@?' ?+9B#
+70?9' = 989;49?' *89' ?+ '
B089' *CC *89 +'' ?+*8+ ;:'
80B' +79' ;?98+ 0;' 0 ' *'
9* # 9*47' >@;=9' =9?49;=?'
*+' 8?⁄+' 0> R@9 A' ;/*8=?#
+ ' -98+ 4* A# +79;' *:* ;'
0> R@9 A' 0@+/*8=?'' 480?E
?;:' ;' +?' C*+7' * ' +79'
>@;=9?' /7 47' 7*-9' 08 : E
;*+9=' >9 0/' +#' *;=' *89'
79;49' 0 =98'+7*;' +?9 # *;=' 9;= ;:' >A' *F ;:' @C' *'
NQ ' * B ' NQM' 79089+ 4*'?94+ 0;' 0 ' *' C0? + 0;' 0 +? =9' 0 ' +79B' ?9B40@
+9B'4@⁄+898+ 4* A * B'?+9B * ' ;' = 40+A 9=0;?' * ?0#
+79' A0@;:9?⁄+' >@;=9?' *89' +79' 0@+98B0?+# +70?9' 0 ' +79' ?*B9' *:9' 0 0/' ;9*8 A'
C*8* 9 '' 7@⁄+' /7989*?' ;' +79 8' 40@8?9?' +79A' @; +9' ?0' *?' +0' 08B' *' 4A ;=98# ;'
B0;040+A 9=0;?' +79A' = -98:9' >9 0/' * ;=' 40;-98:9' *>0-9 ' 79' 40BC0? + 0;' 0 ' B0;0E
40+A 9=0;0@?' >@;=9?' * ?0' = 98?' ;' = 989;⁄+' C*8+?' 0 ' +79 8' 40@8?9# +79' /00=' ?A?+9B'
C89=0B ;*+ ;:' 0-98' +79' 408+ 4* ' ;' +79' @CC98' C*8+# /7989' ⁄+' =9?49;=?'
0> R@9 A' ;/*8=?# +79' 408+ 4* ' ?A?+9B' C89=0B ;*+ ;:' ;' +79' 0/98' C*8+# /7989' ⁄+' =9?49;=?'
0> R@9 A' 0@+/*8=?# *;=' ;* A' +79' 408+ 4* ' ?A?+9B' * 0;9' >9 ;:' =9-9 0C9=' /7989' +79'
>@;=9' 89*479?' +79' C98 C798A ' 989' +79' >@;=9' >940B9?' B089' ? 9;=98# *;=' = -=9?'
;+0' +789*= F9' >8*;479?# /7 47' ;+98 *49' / +7' +70?9' 0 ' +79' ;9 :7>0@8 ;:' >@;=9?#
*;=' 08B' +0:9+798# / +7 ;' +79' 49 @ *8' C98 C798A# *' *A98' 0 ' >89?' 40BC*8*> 9#
4408= ;:'+0' B;A' >0+*; ?+?# / +7' *' >98' <0;9
+' ?' 0>- 0@?' +7*⁄+' +79?9' 780 -*?4@ *8' >@;=9?# >9 ;:' 40BC0?9=' 0 ' = 989;⁄+'
9 9B9;+?' *⁄+= 989;⁄+' 79 :7+?# *;=' >940B ;:' ?0' ? 9;=98' +0/*8=?' +79' C98 C798A# B@?+'
*CC9*8' -98A'= ?? B *8' ;' *' 708 <0;+*' 4@⁄+' 0 ' +79' ?+9B'' +79' ?4*++989=' ?B* ' >@;=9?'
/ +7' *8:9' -9??9 ?# / 7 47' 044@CA' +79' B == 9' 0 ' +79' ?+9B# *89' +79' @CC98' C08+ 0;?' 0 '
>@;=9?' ;' / 7 47' +7*⁄+' / 7 47' /9' 7*-9' 4* 9=' +79' / 00=' ?A?+9B' G+70@:7' ⁄+' ?' 8*+798

49 @ *8 * ; =' -*?4@ *8 +7* ;' >80@?I C89=0B ; *+9?' 79 40 0@89=' * ; =' =9 ; ?9 >@ ; = 9?#
/ 7 47 08B' *' B089 ?0 =' <0 ; 9 +0 / *8=?' +79 C98 C798A# *89 +79 0 / 98 C08+ 0 ; ?' 0 '>@ ; = 9?'
;' / 7 47 >89?' * ; * 0 : 0@?' +0' >98 ' C89=0B ; *+9 , '' * ; =# ; * A# +79 9??' 40 BC89??9='
>@ ; = 9? / 7 47 *89 @?@* A' ?99 ;' 0@+? =9 0 ' +79 40 0@89=' <0 ; 9 *89 +79?9 ?*B9 >89?' Y
+98 7*- ; :' >8* ; 479=' * ; =' ?C89*=' 0@+# * ; =' >9 089 >9 ; :' 0?+' ;' +79 C98 C798A# / 7 47
? *' 49 @ *8 <0 ; 9 89C89?9 ; + ; :' +79 >*8F

' B0 ; 040+A 9=0 ; 0@?' ?+9B' @?@* A' 89+* ; ?' *>0@+' +79 ?*B9 = *B9+98 +780@ : 70@+'
7 ? ?' >94*@?9 +79 >89 -*?4@ *8 >@ ; = 9?# : 8*=@* A' *++9 ; @*+9='+0 / *8=?' +79 8 0 / 98
?5+89B +A# =0 ; 0+# *?' ;' = 40+A 9=0 ; ?# @ ; +9 * ; =' =9?49 ; =' +0 +79 >0++0B' 0 ' +79 ?+9B' '
9 ; 49# * ; A' + / 0 +8@ ; 4790 ; ?' 0 '*' B0 ; 040+A 9=0 ; 0@?' ?+9B# >9 ; :' 9R@* A'8 47 ;'>@ ; = 9?#
'*;' = 98 >@+' ++ 9 ;' = *B9+98 '

00+ 1 ;' +79 9B>8A0# +79 8*= 4 9 ?' +79 ? BC 9 49 @ *8 0 / 98 9 ; =' 0 '+79 4*@ 4 9#
-7 47 9 0 ; : *+9?' =0 / ; / *8=?' *?' +79 *++98 *?49 ; =?' / +7 +?' C @B@ 9 * ; =' 40+A 9=0 ; ?'
F B0 ; 040+A 9=0 ; 0@?' ?99=' @?@* A' C89?9 ; +?' ?9-98* ' 8*= 4 9?' G :' N I'' +79?9 *89 ; 0+#
0 / 9-98# ; *F9=' F9 +70?9 0 '= 40+A 9=0 ; ?# >@+' *89 08 : ; * A' 9 ; -9 0C9=' ;' *;' 0@+98
*A98 G?98- ; :' *?' >*8FI# / 7 47 +79A' C@?7' 08 / *8=' * ; =' C 9849# 9B98 : ; :' 80B' +' *?'
80B' *' ?79*+7' / 79 ; 49 +79 ; *B9 0 '23!'3"%#J/' 08 +7 ?' 08 : * ;' G :' N I' á #

5*BC 9?' 7*-9 >99 ;' : -9 ;' 0 ' ?+9B?' 9B ++ ; :' *449??08A' 08 *=-9 ; + + 0@?' 800+?'
80B' -*8 0@?' C*8+?' 0 '+79 8 ?@8 *49' +79 ?+8@4+@89 0 '+79?9 ?' C894 ?9 A' +79 ?*B9 *?'
7*+' 0 '+79 8*= 4 9'' * ; ='+79A' B*A'9-9 ; >9 89 : *8=9=' *?' =9 ; + 4* #+79 8*= 4 9>9 ; :' 40 ; '
=989=' *?' *' C80=@4+ 0 ;' 0 ' +79 4*@ 4 9# * ; =' * ' 800+?# / 79+798
I8 B*8A' 08 ?940 ; =*8A# *?' *=-9 ; + + 0@?

;' +?' 9*8 9?+' ?+* : 9 +79 800+ C89?9 ; +?' *;' *5 ?' 0 ' =9 ; ?9 A'
8*4F9=' 49 ?' +79 49 ; +8* ' 0 ' +79?9 9 0 ; : *+9 * ; =' 08B' -9?? ?'
-7 47 ; +98 *49 / +7 +70?9 0 ' +79 ?+9B' G :' NQ I' 79 800+ B*A'
I9 ? BC 9 08 >8* ; 479=# >@+' +?' >8* ; 479?' =0 ; 0+ ?+*8+ 80B' +79
5 ' 0 '*' 9* # * ; =' *89 ; 0+ 89 : @ *8 A' *88* ; : 9=# F9 +79 ?700+?' 0 '
79 *?49 ; = ; :' *5 ?' 79A' +98B ; *+9 ;' >8 ?# +0 : 9+798 4* 9='
a00+ >89?# / 7 47 =94*A# * ; =' *89 89C *49=' >A' 89?7 0 ; 9?' / 7 47
@?@* A' ?C8 ; :' 80B' ; 9*8 +79 >*?9.0 ' +79 A0@ ; : 9?+' >8* ; 47 ' F9
79 ?+9B# +79 800+ >8* ; 479?' * ; =' >896 *89 4 0+79=' / +7 * ;'
?C =98B ?' 08 4@+ 4 9# 9549C+' *+' +79 + C?# / 7 47 ?0B9 >0+* ; ?+?'
* ' ?C0 ; : 0 9?' G?CI ' ' 79 800+' 9 0 ; : *+9?' *+' +79 + C?' 0 ' +?'
8* ; 479?# >@+' ; 0+' 0 ' +?' 800+ >89?# / 47 *89 4*=@40@?' * ; =' *?'
79 89?7 49 ?' 0 ' +79 800+ >8* ; 479?' *89 *+' 8?+' =9C8 -9=' 0 ' Z'
C =98B ?# +' ?' ?@CC0?9='+7 *+'800+?' *>?08>' B0 ?+@89 80B' +79 ?0 '
IA' +79?9# *?' / 9 ' *?' >A' +79 8' 800+ >89?' -98+ 4* ' *' 800+ 9+

79 >80@?' * ; =' -*?4@ *8 + ??@9?' 0 ' 800+?' *89 +79 ?*B9 *?' k M >940B\6=@* !A06@'
70?9' 0 '?+9B?# >@+' ; 0' +8*479*9' *89 9-98 0@ ; =' ;' +79 B '' +79 6 79
9 ?' *89 = ?+9 ; =9=' / +7 D@ 49 08 9=' / +7 94@ *' G "2%#&5 80; + +***L 6\ : 0 9mX66
: ' NQNI

;' = 40+A 9=0 ; ?# +79 800+' ?' = ?+ ; : @ ?79=' 80B' +79 ?+9B' >A' +79 *>?9 ; 49 0 ' C +7
B=' B9=@ >4 8A' ?79*+7# * ; =' >A' +?' *5 ?' >9 ; :' 044@C 9=' >A' / 00=A' >89?'' +7989' ?' ?4*849 A'
;' 9549C+ 0 ;' +0' +7 ?' +?' = *B9+98 ; 489*?9?# F9 +7 *+' = ' +79 ?+9B# >A' +79 * ; ; @*

O8B*+ 0;' 0 '+/0' 40;49;+8 4' <0;9?' >9+/99;' + 9' /00=' *;=' >*8F' +' 9 0; D*+9?' *+' +? 95+89B +A' 0; A#/7 9'+79' ?+9B' *;=' +?' >8*;479?' 9 0;6D*+9' + 80@D 70@+' +79 8' 9;:+7' +7 ?' B*A' 9*? A' >9' C80-9=' >A' B*87 ;:' 0 '*;' ;47' 0 '*' 800+' *;=' *;' ;47' 0 '*' ?+9B' 0;040+A 9=0;?# ;?+9*=' 0 '7*- ;:' *' $/.>"33$ G 9' 0;9' B* ;' *5 ?' /7 47' >8*;479?I# @?@* A' 9B +' 40BC0@;=' 800+?# 9' 40BC0?9=' 0 '? BC 9' 08' ? :7+ A' > *;479=' >@;=9?# 8 ? ;:' 80B' +79' ;94F' 79 8' *;*+0B 4*' ?+8@4+@89' ?' 95*4+ A' ? B *8' +0' +7*+' 0' ?+9B?

9*-9? 1 79' *;*+0B 4*' ?+8@4+@89' 0 ' 9*-9?' ?' +79' ?*B9' *?' +7*+' 0 ' +79' ?+9B' +79A' 40;? ?+' 0 ' *' >80 -*?4@ *8' >@;= 9' *;=' C*89;47AB*' +7 ?' >@;=9# /747' ? /70 A' 08B9=' >9 089' 9*- ;:'+79' ?+9B# ?C89*=?' ;+0' *' >7/9' *?' +' 9B98:9?' D&'&&#' 9* I# 08' 89B* ;?' @;= - =9=' 08' *' 498+* ;'= ?+*;49' >9 089' 95C*;= ;:' G.'$#9!/#' 9* I' +79' ;98-9?' 0 '+79' > *=9' *89' 08B9=' 0 ' >89?' *;=' -9??9 ?' >0+7' +' *;=' +79' C9+ 0 9' *89 40-989=' / +7' *' *A98' 0 ' 9C =98B ?' >9*8 ;:'?+0B *+*' 0;' 9-98A' C*8+' 9549C+' +79' ;98-9? *;=' C9+ 0 9 79' C9+ 0 9# >9 089' 95C*;= ;:# 0 +9;' 08B?' *' ?79*+7' 08' ?+ C@ 9?' +79 ?79*+7' 95 ?+?' /79;' +79' C*8+ *'>@;=9?' 0 ' /747' +' ?' 40BC0?9=' ?9C*8*+9' 80B' 9*47' 0+798# >@+' / +70@+' = -98:;:' +79' ?+ C@ 9?' *89' +79' 89?@ +' 0 '+79' = -98:E 9;49' 0 '+79' *+98*' >@;=9?' 0 '+79' C9+ 0 9, & 7989' +79' >89 -*?E 4@ *8' >@;=9' G :' NQN# -I' 9*-9?' +79' ?+9B' +0' 08B' +79' C9+ 0 9' . +' +79' >89?' 40BC0? ;:' +'*89' ?708+9;9=#

NQN' 8*;47' 4@+' -98+ 4* A# ?70/ ;:' +79' C9+ 0 9' ?C8 ;:E ;:' 80B'+79' ?+9B'GB*:I

*;=' ;*880/9=' *+' 9*47' 9;=# 94+ 0;' C98C0;I4;*8' +0' + 0' @8*T9' 0 '*' 9*' GB*#\I' C#' 7*8" ' ?+0B*" ' -+' >80 -*?4@ *8' >@;=9' #

/79;49' +79 8' ?@8 *49?' 0 ' @CC98' 9C 98B ?" ' # 0/98' 9C =98B ?

40;+*4+' *89' 40;+8*4+9=' +79A' *89' 79;49' ;0+' ?0 = A' @;+9=' *+' +79' C0 ;+' 0' 9B98:9;49' *;=' +' ?' +7 ?' =9 94+ -9' 4079? 0;' /747' 4*@?9?' +79' * ' 0 ' B0?+' 9*-9?' 79' ?+9B' C89?9;+?' *' ++ 9' ?/9 ;:'*+' +79' >*?9' 0 '+79' C9+ 0 9# 4* 9=' +79' 29@#38 G4I# /747' ?' - ?>9' * +98' +79' = ?40;;94+ 0;' 0 ' +79' C9+ 0 9' G :' I# +0:9+798 /+7'+79' ?4*8' 3' 9 +' >A' +79' C9+ 0 9' 79' 89 *+ -9' C0? + 0;' 0 '+79' 9 9B9;+?' 0 '+79' >80 -*?4@ *8' >@;=9' 0 /747' C*??9?' 80B' +79' ?+9B' ;+0' +79' 9* # ?70/?' 4 9*8 A'+7*+' +79' 9* >*=9' B*A' >9' 40BC*89=' +0' *' *++9;9=' ?+9B# +79' >89?' *;=' -9??9 ?' 0 ' /747' 7*-9' >99;' ?C89*=' 0@+# *;=' +7@?' * 0/9=' C 9;+A' 0 ' 800B' 08' +79' =9-9 0CB9;+' 0' C*89;47AB*' >9+/99;' +79 8' 8*B 4*+ 0;?' ?' ;' +79' ?+9B' +79' >80 -*?4@ *8' >@;=9' 40;?' ?+?' 0 '+8*479*9' ;' +79' 49;+89# +79;' 8*A9=' 08' =0++9=' -9??9 ?' *;=' /00=A' >89?# *;=' 0;' +79' 0@+? =9' *+ 4 980@?' -9??9 ?' *;=' +7 4F /* 9=' >98 >89?# ?0' ;' +>9' 9* ' > *=9' 9*47' ;98-9' G/747' ?' *' C*8+ *' >@;=91' C89?9;+?' +8*479*9' 0;' +?' @CC98' ?@8 *49# 8*A9=' 08' =0++9=' -9??9 ?' / +7' /00=A' >89' 0;' +?' 0/98' ?@8 *49# *;=' *+ 4 980@?

-9??9 ?* ;= >98 >89? >9 0 / 98 ?@8 *49 0 +>9 9* # / > 4 40889?C0 ;=? +0 +79 408+ 4* ?A?+9B# ? :9 ;98* A B089 7* 8A* ;= C89?9 ;+? B089 ?+0B *+* +7* ;+79 @CC98# / 7 47 40889?C0 ;=? +0 +79 / 00= ?A?+9B 79 C*89 ;47AB* 0 +79 9* # 9= / +7 :899 ; 47 080C7A # @?@* A C89?9 ;+? G : NQOI# ; *+ 9*-9?# + / 0 / 9 B*8F9= = - ? 0 ;?* +79 @CC98# >9 0 ; : ; :+0 +79 / 00=A ?A?+9B# 40 ;? ?+? 0 0 ;9 08 B089 ?98 9? 0 0> 0 ; :49 ? G I# *88* ; :9= C98C9 ; = 4@ *8 A ? =9 >A ? =9 >9 ; 9*+7 +79 9C =98B ? ! 9*- ; :- 98A ?B* ; +98?C*49? . * +79 0 / 98 = - ? 0 ;# >9 0 ; : ; :+0 +79 408+ 4* ?A?+9B# 40 ;? ?+? 0 889 :@ *8 49 ? GC I# / +7 ;+98?C*49? . * 40889?C0 ;= ; : / +7 +79 ?+0B *+* 79 C*89 ;47AB* 0 9?7A 9*-9? G*? ')9 40 ;? ?+? 0 49 ? / +7 9 / ;+98?C*49?# / 7 47 49 ? >940B9 C00898 ; 47 080C7A +0 / *8=? +79 49 ;+89 0 +79 9* @>B98 :9= 9*-9? G : NQ I 7*-9 ;0 9C =98B ?# ?+0B *+* >89?# 08 -9??9 ?* +79 8 C*89 ;47AB* ? 89=@49= +0 9 0 ; :*+9= 49 ?# *88* ; :9= ; 9 / ?98 9?# *;= ? 40 ;?9R@9 ;+ A -98A C98B9*> 9 >A / *+98 ^

79 9* 08 : ;*+9? *? *?B* 49 @ *8 +@B0@8# / 7 47 * +98 / *8=? = *+9? ;+0 * > *=9# +79 49 ? 0 ; +79 B9= *; = ;9 0 / 7 47 9 0 ; :*+9 *;= 08B >89?# +79 ;# *? ; +79 ?+9B# 8?+ +8*479*9# *;= *?+ A 0+798 -9??9 ? ; 7 ? +89*+ ?9 2 ; +79 08B*+ 0 ; 0 9*-9?#. 894@ *=B +? 0@8 C8 ;4 C* +AC9? *4408= ; :+0 / 7 47 +79?9 08 :*; ? *89 08B9=' +79 ,/&#:9A/!5 #/&#. '$/!5 #?')5 *;= . /"/!!'! ; +79 %/&#:97/!5 +79 9* ? =9-9 0C9= 80B >9 0 / @C / *8=?# 9 +79 0 =9?+ C*8 ? *89

<Y&' 267 : 2+062* 056,2*' 10/10*3,54 7/'62' 6 ,0' -4/ 750' 2 ' 7' 07 ' 0 : 7+ F' 1 ' 17/0*5.= : ,7' 8 ,6. 246'01,30/ : ,-J ? ',*60/-6,50-

+79?9 *+ +79 >*?9 0 +79 9* # *;= +79 + C ? +79 *?+ C*8+ 08B9=" +79 ?+ C@ 9? *CC9*8 >9 089 +79 9* 9+? *;= ?940;=*8A ;98-9? 0 +79 9* ; +79 ,/&#. '$/!' +AC9# +79 8*47 ? 08 *5 ? 0 +79 9* *CC9*8? 8?+# *;= 0; +? ? =9? +79 0>9? *;= 9* 9+? ?C8 ; :80B *>0-9 =0 / ; / *8=?* +79 + C ? 79;49 =9-9 0C9= >9 089 +79 >*?9 79 ?+ C@ 9? *89 =9-9 0C9= >9 089 +79 0 / 9?+ 9* 9+?# *;= ?0B9+ B9? 9-9; >9 089 +7 ; @CC98 ; +7 ? +AC9# ;0+ 0; A +79 9* 9+?# >@+ +79 8 ?940;=*8A ;98-9? *;= +99+7# *CC9*8 ; ?@449?? 0; =0 / ; / *8=? ; +79 #?')*88*; :9B9 ;+# >0+7 +79?9 +AC9? *89 0 0 / 9= ; +79 . /"/!!'! +AC9 +79 ;98-9? *89 * 08B9= ; C*8* 9 ; 9?# >@+ +79 ?79*+7 *CC9*8? 8?+ 79 9 0 ; :*+ 0 ; 0 +79 9* +*F9? C *49 *+ +79 >*?9 0 +79 > *=9# 08 >*?9 0 +79 C9+ 0 9 79 ?79*+7# * +70@ :7 +79 8?+ 08B9=# =09? ;0+ ;489*?9 + +79 9* 7*? =9-9 0C9= +0 *498+* ; 95+9 ;+

79 ;98-9? 0 9*-9? *89 *88*; :9= -98A = 989 ;+ A ; B0 ;040+A 9=0 ;? *;= = 40+AE 9=0 ;? ; +79 08B98 G : MMI# +79A *89 @?@* A ? BC 9# 08# >8*;479=# +79 >8*;479? =0 ;0+ ;0?4@ *+9 ; = 40+A 9=0 ;?# 0 ; +79 40 ;+8*8A G : NI# +79 ;98-9? >8*;47 ;+0 ('#8& *;= ('89!'&5 / 7 47 ;0?4@ *+9 / +7 +70?9 0 +79 ;9 :7>0@8 ; : ;98-9?# *;= 08B * >80 -*?4@ *8 ;9+ / 08F 0 / 7 47 +79 ;+98?+ 49? *89 9= / +7 C*89 ;47AB* 9-98+79 9??# ; ?0B9 B0 ;040+A 9=0 ;?# +79 >*?* ;98-9? *89 ;0+ * C*8* 9 *;= ? BC 9 >@+ ?940;=*8A ;98-9? ?C8 ; : 80B 0 ; 9 08 B089 0 +79 C8 ;4 C* ;98-9?# *;= = -98:9 ; 0+798 = 894+ 0 ; ? >@+ +79?9 ?940;=*8A ;98-9? *89 C*8* 9 # *;= +79 40;E -95 +A 0 +79 *84 / 7 47 +79A =9?48 >9 ? +@8 ;9= +0 / *8=? +79 C8 ;4 C* ;98-9 G+7 ? ;98-*+ 0; ? 8*89 *B0 ; : = 40+A 9=0 ;?I * ?+ A# +79 ;98-9? ; B 0 ;040+A 9=0 ;? B*A

(a

;?+0B0?9 ;+0 * ;9+/08F *;=+79 >*=9 ;?+9*=0 >9 ;: '8$#"'5 *? ?@?@* ;+7?4 *??# B*A >9 0>9=G "9 ;+79 0+798 7*;=# ?0B9 =40+A9=0;?044@8 /+7C*8* 9 *;=?BC9 ;98-9?>@+ +79?9 9549C+0;?=0 ;0+ ;-* =*+9 +>9 :9;98* 8@9;=4*+9=*>0-9 ;* 4*?9?0 =9+98B ; ;: +79 4 *??0 * C *;+# +79 95*B ;*+0;0 +79 ;98-9? B@?+ >9 ?@CC 9B9;+9=>A +7*+0 +79 >80 -*?4@ *8 >@;=9?0 +79?+9B# /7 47 *89 ?ABB9+8 4* A *88*;:9= ;= 40+A9=0;?G : I *;= =?C98?9=/ +70@+08=98# +70@:7 B089 4 0?9 AC *4F9=+0 / *8=?+79 4 84@B 989;49# ;B0;040+A 9=0;?G : NQHI

@=? 1 79>@=G : NQN# + *CC9*8? *+ 8?+@;=98+79>*8F *? * 49 @ *8 C0 ;40;+ ;@0@? / +7 +79 95+89B +A 0 * B9=@ *8A 8*A + ?00;C@?79? +780@:7+79>*8F# *;= 08B? *+@B0@8 0;+79 ?+9B# /79; +? 49 @ *8 + ??@9 >940B9? 08:*; <9= ;+0 >89? *;= -9??9 ? 40BB@; 4*+ ;: / +7 +70?9 0 +79 ?+9B + +79 B9=@ *8A?79*+7#70/9-98# 0 +79 A0@;: >8*;47 ? 4 0?9= *+ 8?+# *;= =09? ;0+ 40BB@; 4*+9 / +7 +79B9=@ *8A 8*A 0 +79 *5 ? 80B /7 47 + 9B *;*+9?

9C* ? 1 79 *;*+0B 4* ?+8@4+@89 0 +79?9 08:*;?40BC 9+9? +79 *;* 0:A >9+/99;+79B *;= 9*-9? 79 ;98-9? 0 +79 ?9C* ? *89 >@;=9? 0 +8*479?9 *;= >89# C*89;47AB* ? ?C89*= 0@+ >9+/99;+79B# *;= +79 8 ?@8 *49? *89 40-989= >A*;9C =98B ?# 0 /7 47 +79 @CC98 C89?9;+? B089 ?+0B *+* +7*;+79 0/98 ? / +7 +79 9*-9?# +79 ;98-9? 0 +79 ?9C* ? *89 @?@* A C*8* 9 *;= ? BC9 ; B0;040+A9=0;?# >8*;479= *;= *;*?+0B0?;: ; = 40+A9=0;? 79 ?9C* ? 8?+ *CC9*8 *? ?B* 49 @ *8 C*C *9# 40;;94+9= *+ +79 >*?9 >A *;* ;;@ *8 = ?F 89 98*> 9 +0 +79 8949CE +*4 9 +79 8 + C? *89 899 ;> 0+7 +79 B0;0?9C* 0@? *;= C0 A?9C* 0@? 4* A5 + ? 0; A *+98 +7*+ +79 4* A4 ;* +@>9 *CC9* ? " *?4@ *8 >@;=9? *89 :8*=@* A 08B9= ;+79 ?9C* ? *? ;+79 9*-9?

9+* ? 1 79 40 80 ;9 9*-9? 7*-9 0 +9;# F9 08= ;*8A 9*-9?# * C9+0 9# /747 ? 4* 9= +79 4 */ & 79;+7 ? ? C89?9;+# +79 >80 -*?4@ *8 >@;=9? +8*-98?9 +? 9;+89 9;:+7# *;= 0; A ?9C*8*+9 +0 08B +79 ;98-9? 0 +79 > *=9 +79?9 ;98-9?# @?@* A = 470+0B0@?# *89 40BC0?9= 0 +8*479?9 *;= 9 0;:*+9= 49 ? +79 C*89;47AB* / 7 47 ? +79 8 ;+98?+ 49? ? 08B9= 0 * 9 / *A698? 0 49 ?# 40-989= >A *;9C =98B ? C89?9;+ ;: -98A 9 / ?+0B *+* 0;+79 @CC98 ?@8 *49 0; A# 08 ;0;9 *+ *

"98A AO@;:C9+* ?# F9 ?9C* ?# *CC9*8 *? 49 @ *8 C*C ?9 >@+ ;C9+* ? +79?9?00;= *+9# *;= 08B =*8F 08 :7+ :899;= ?F?# /7 47 *+ * *+98 C98 0= * /*A?47*;:9 40 0@8 +70@:7 +79 C9+* ? *89 C *49= >9 0 / +79 ?+*B9;? 0; +79 08* *5 ?# +79A :9;98* A 95C*;= *+98# *? +79A 7*= >99; =9-9 0C9= *+98# /7 47 ? ;0+79 4*?9

; * B0;0C9+* 0@? 40 80 *# +79 $3"9& ? 8* ?9= *>0-9 +? 08= ;*8A 9-9 ?0 *? +0 08B * ++ 9 474@ *8 4@?7 0; / 7 47 40;;94+? +79 9*-9? +0 / 7 47 + :*-9 > 8+7# *;= +79 ?9:B9;+? 0 +79 40 80 * *CC9*8 *? C80 94+ 0;? @C0;+7 ? 4@?7 0;; * A# /79+798 +79 40 80 * >9 B0;0C9+* 0@? 08 C0 AC9+* 0@?# +? C9+* ? *89 Y=9-9 0C9= F9 08= ;*8A 9*-9? +79 + C *;= >*?9 *89 8?+ 08B9=# *;= +79 =9-9 0CE B9;+ +*F9? C *49 +0 / *8=?+79 49;+8* -9 ;? 80B >9 0 / @C / *8=?# 80B *>0-9 =0 /;E / *8=?# *;= *+98* A

+*B9;? 1 79 40BC 9+9 ?+*B9;40;? ?+? 3C:#!/ '8$5 2388'2$#('5 /8$%'"5 *;=C0(9/)

9+ @? 95*B ;9 +79 8 ?+8@4+@89 ; +79 *=@ +# * ;=+79 8 B0=9 0 =9-9 0CB9;+ +79 A0@;: ?+*B9;

79 :#!/ '8$ 238&#&$& 0 *49;+8* >@;= 9# 0 +8*479*9 / 7 47 +8*-98?9? +? 9;:+7# 0 * *A98 0 49 ? 9;-9 0C ;: +7 ? >@;= 9# * ;= 0 * +7 ; ?@C98 4 * 9C =98B ? 79 2388'2$#('5 / 7 47 ? +79 40;+ ;@*+ 0; 0 +79 *B9;+# ? 08B9= 0 49 ? 0 +79 40;E ? ?+9;49 0 : *;=@ *8 + ??@9# ; / 7 47 +79 >@;= 9 0 +8*479*9 +98B ;*+9?

79 /8$%'' ? @?@* A = - =9= ;+0 + / 0 4*- + 9?# ?9C*8*+9= >A +79 40;;94+ -9# * ;= 40;+* ; ; : +79 C0 9; 79 / * ? 0 +79?9 49 ? 40;? ?+ 0 *; 0@+98 08 9C =98B* *A98 0 49 ? G : NQQ# + / +7 B*;A ?+0B*+*# *;= 0 G ; *; ;;98 ? BC 9 08 B@ + C 9 *A98 0 >80@? Q I# *;;@ *8# ?C 8* # 08 8 89+ 4@ *+9= 49 ? +7 ? *A98 >940B9? +7 ;;98*? + *CC80*479? +79 ;9 0 =97 ?49;49 0 +79 *;+798# / 7989 + 9;=? + +79 C98 0= 0 =97 ? 9B*;?0 +79 >80B 49;49 +79 0@+98 B9B>8*;9 0 +79?9 49 ? ? =9?+80A9=# *;= +79 ++ 9 30/:,- 2 6. 7*6.0/ ;9++9=# 8 ;:9=# 08 ?C 8* >*;=? / 7 47 ;9= + * 0;9;4 0?9 +79 C0 9;\ +79 9B ?? 0; 0 / 7 47 +79A *?? ?+ / 79; +79A =8A @C# 40;+8*4+# * ;=?9C*8*+9 +79 -* -9 0 +79 *;+798 79 A0@;:?+*B9;;CC9*8?*?*49 ; *8 :899;C*C *# / 7 47 @?@* A +@8;? A9 0/ 79 *;+798 ? +79 8? 08B9= +C89?9;+? * B9= *; @880 / G+79 40;;94+ -9I# *;=+ / 0 *+98* 0;9? G+79 @+@89 ;9? 0 =97 ?49;49I +79 *B9;+*CC9*8?;95+# *+ 8?+ /70 A 49 @ *8# +79;+8*-98?9= >A * >@;= 9 0 +8*479?9 79 + ??@9 0 +79 *;+798 ? *+ 8?+ * @; 08B 49 @ *8 B*?? G : O I# ;+79 B == 9 0 / 7 47 * 498+* ; ;@B>98 0 49 ? *89 *>?08>9= *;= 9*-9 ! ?@* A 0@8 ?C*49?# / 7 47 :8*=@* A 9; *8:9 *;= 08B *? B*;A 4*- + 9?# ;9*8 A 9R@ = ?+*;+ 80B +79 49;+89 *C= +79 C98 C798A *47 C* 8 0 +79?9 ?B* 4*- + 9? 9-9;+@* A 89C89?9;+? *; 9;+ 89 49 G : O HI +79?9 0@8

'$$ 0 2*
0/6,57 -056,2*2 '=24*+ 7*6.0/ D:7+F -.28,*+ 6.0 01,30/:7 50 - . +& 7*3 6.0 ,**0/ 50 - D5',F 7 7,90 7*3 .2*-2+0 *524- ,*6.0 :,33 0 2 8.,5.-1750- 8, 2/:

'$ 0 2*
0/6,57 -056,2*2 '7*7*6.0/ 50 D:7+F 8,6.'682'50 4 0- '01,30/:7 '50 -J 5, ,**0/ 50 -J 4 # :26.0/ 50 - 52*H 67,*03',*'6.0 50 4 0-

'$T 0 2*
0/6,57 -056,2*' 0 7*' 7*6.0/ 50 8.0 6.0 50 4 0- 7/0 , 03 8,6.' :26.0/ 50 - 5 & 87 - 0 6.0 50 4 0- D:7+F

'$(0 2*
26.0/\50 - T I# 2/,+,*7 = .0G7+2*7 2 '8.,5.'6.0 -0167'7/0 30-6/2=03 7*3 52*H 67,*,*+ 075.' 24/ 12 0** +/7,*- D:7+F

4*- + 9? :8*=@* A / +7 B@4 *:9# 0+8 0 / 7 47 *89 9 *>08*+9= + / 0 08B? 0 49 @ *8 + ??@9# 0;9 0 ?B* 49 ? G : O 4(+ +7 *+ ;9 +79 4*- +A# +79 0+798 0 *8:9 49 ? . + +7 *+ +79 4*- +A# *;= / +7 ; / 7 47 +79 C0 9;? =9-9 0C9= 79 *++98# 4* 9= 3$%''>2'!!& . +& ?00; >940B9 9= / +7 * @ = @ 0 :8*;@ 9? +79 :8*;@ 9? *:* ; *:89:*+9# *;= 08B 0@8 ;@4 9 0*+ ;: ; +79 R@ =# / 7 47 +7 4F9;? >A =9:899? 80B / +70@+ ;/*8=?# *;= ;* A 08B ? 0@8 ?9C+*= - = ;:+79 B0+798 49 ? ;+0 *? B*;A 49 @ 9? *47 ;@4 9@? +79; >940B9? 40*+9= / +7 * B9B>8*;9 G :

HM

O M6 * +98 / 7 4 >0+ +79 ?9C+* * ; = +79 / * ? 0 +79 B0+798 49 ? = ?*CC9*8# *;=+79 0@8 ; @4 9 GCl / 7 47 9= +79B *89 ?9+ 899 *? .3!! >7"/#8& G D O I ? +79A :80/ G :?# O * ; = O NI# +79 49 @ *8 + ??@9 0 +79 * ; +798# ; +79 B == 9 0 / 7 47 +79 4*- + 9? 7*= >99; 08B9=# *89 *>?08>9= * * A98 0 49 ? / 7 47 08B9= +79 / * ? 0 +79 4*- + 9? ;0/ ;9? +79 B9B>8*;9 0 +79 9C =98B ? G : N VI# +& *; = 8*C = A

47*; :9? ; +0 * *A98 0 >80@? 49 ? . + +79 + ??@9 / 7 47 ?9C*E 8*+9= +79 ?B * 4*- + 9? >940B9? :8*=@* A +7 ; ; 98# *; = 08B? * GWI+@B / 7 47 C80D94+? 80B +79 40; ; 94+ -9 +0 / *8=? +79 ;9 0 =97 ?49; 49 +7 ? ?9C+@B ? ?00; =9?+80A9=# *; = +79 + / 0 4*- + 9? 08B >@+ 0;9 G/8$%'">2'!! ; ?0B9 C *; +? +7 ? ?9C+@B ? C98? ?+9; +# *; = +79 *; +798 89B*; ? R@*=8 04@ *8 G 9$3 9&5 : M NI ; B*; A C *; +? +79 89B* ; ? 0 +79 B0+798 49 ? 0; A C*8+ * A = ?*CC9*8# *; = +79 89?+ 40; ; 94+ +79 C0 9; :8* ; ?# *? ; "2%#& G :?' Q *; = MN I# / 7989 *; 9 *?+ 4 ; 9+ / 08F 4*@?9? +79B +0 4079989 ; ?B* B*??9?

*8C9 ? 1 79 *; *+0BA 0 +79 4*8C9 *8A 9*-9? ? *; * 0:0@? +0 +7*+ 0 08= ; *8A

'$' 07/ 0/= =24*+ 280/' 546 ?0/6,57 = 62 -.28 6.0 1067 -'-67 : 0*-'7*3 57/10 ' 7/= : 7/7 : 00 /00 2*' 6.0 /0501675 0 D : 7+ F

O ' 9*8 "4@; :'4*8C9 ?#?99; ' 80B / +7 ; #*+ 8?+ 40; 4*-9# * Z= +79 9= : 9? * +98 / *8=? *CC80*47 ; : +0 08B +79 ?+A 9 *; = C *49; +*? GB*: I

'$Y' 07/ 24*+ 280/' 546 ?0/6,57 = 62 -.28 6.0 +/286.' 2 6.0 /0501675 0 .0 7//7*+0 : 0*6 2 '6.0 57/10 -' 7*3 6.0 ,*-0/H 6,2*' 2 '6.0 1067 -' 7*3 -67,*04-' D : 7+ F

3 ' *+ ' / * -' / 4 4' " ' 2 ' " / 2' 4 3F #' 4 ' 7 = ' / 2 -' 4' * + '*+ '!" #'

9*-9? *' 49 @ *8 + ??@9 G?0B9+ B9? -98A ?@44@ 9; +# *? ; >988 9? *; = =8@C9?I# +8*-98?9= >A 80 -*?4@ *8 >@; = 9?# ? 0-989= / +7 *; 9C =98B ?# +79 0@+98 ?@8 *49 0; A 0 / 7 47 >9*8? ?+0B *+*' +79 >@; = 9? *?49; = 80B +79 0-*8A ; +0 +79 ?+A 9# 044@CA ; : +? 4 84@B 989; 49# +? 49; +89 >9 ; : 70 0/9= ; +0 * 4*; * 79 ; ; 98 / * ? 0 +7 ? 4*; * # / 7 47 ? 08B9= >A +79 40; -0 @+ 0; 0 +79 @DIC98 9; = 0 +79 4*8C9 *8A 9* # ? 40-989= / +7 C80D94+ ; : 49 ?# *; = +? *5 ? ? 044@C 9= >A ?0 + 49 @ *8 *B9; +?# ; *B9= 238)92$#87

' $' 07/ 24*+ 280/' /2 : ' 8 .,5.'57 =G '1067 -'7*3 -67 : 0*-' .7?0 ;00*' /0H : 2?03 ' 62 -.28 6.0 ,?0 57/10 -' -4*9 ;*' 6.0 /05016754 7/ 541 D : 7+ F

$#&&9' + ? +7 ? + ??@9 / 7 C7 40; ?+ +@+9?# 0; +79 +0C 08 ? =9? 0 +79 ?+A 9# +79 +8@9 ?+ : B *+ 4 + ??@9 79 .!/2'8$/5 / 7 47 +8*; ?B +? ; 0@8 ?7B9; + +0 +79 ?99=# *; = +79 :98#2!'5 / 7 47 ? *' C80 0; :*+ 0; 0 +79 C *49; +*# 40; ? ?+ 0 *' >@; = 9 0 +8*479?9 ?@880@; =9= >A 9 0; :*+9= 49 ?

; 98 08 0-*8 9? 7*-9 +79 4*8C9 ? 9; 4*?9= ; *' 8949C+*4@ *8 4@C# / 7 47 ? ?0B9

+ B9?9;O8BO@? A7AC98+8OC7 94D#9?C94 * A ; 3&/2' *;= 3 /2'2"G :?O O+O O I# *;=>9*8?0;+79+OC+79?+*B9*?6C9+* ?#*;=4* A5

-@9 1 0+*; ?+?0 +9;*CC A+7 ?*;*B9 +T +79@;=9-9 OC9= ?99= >@+# +O >9 C894 ?9# +79A O@:7+ +O 40; ;9 + +O +79@; 98+ <9= ?99=

O +8*49 +79 =9-9 OCB9;+ O + +79 O-@ 9# + B@?+ >9 95*; ;9= 0;: >9 089 +79 : >@= OC9;?" + +79;*CC9*8?*? * C*C * 0;+79 C *49;+*# 4* 9= +79;@4 9@?G : OH I" *80@;= +79 >*?9 O +79 ;@4 9@?G : OH I *4 84@ *8 8 ; : ?0 8B9= G?I# /7 97 *+ 8?+ :80/?*+ +79 ?*B!8*+9 *? +?9 # >@+# 8?; : >;+?0 ?@8 *49# + 9-9;+@* A 0-98+OC? *;= ;* A * BO?+ 9;+89 A 9;-9 OC? +79 ;@4 9@?" >@+ >9 089 +7 ?+*F9? C *49# * ?940;= 4 84@ *8 8 ; : ?=9-9 OC9= G : OH # CI O@+?=9 +79 8?+ G?I# /7 47 0 0/?+ ;+?: 80/+7# *;= 9;=?>A 89*47 ; :*;= -98+OCC ; : +" +79;@4 9@?G6I ? 79;49 9;4 0?9= ;+/0 ?*4?# /70?9 BO@+ ?*89 40;+8*4+9=# *;= 0;* 9-9 / +7 +?+OC# +7@? 08B ; :* ++ 9 4A ;=8 4* 08 4@C ?7*C9= 4*- +A# 40;? ?+ ; :0 +/0 @C98 BC0?9= 8 ; :? +0@47 ; :* + C0 ;+?0 +79 8 4 84@B 989;49 79 @CC98 OC9; ;:# >9 0;: ;:+0 +79 0@+98 40*+# ?;*B9= '?3&&3 " G 5I " +79 0/98# >9 0;: ;:+0 +79 ;;98 40*+# ?;*B9= 9;)3&&3 " G ;=I 79@; 0;0 +79 9;=0?+0B9 *;= 95 0?+0B9 40;?+ +@+9?+79 #2"3.- 5 /7 47 * /*A? 40889?C0;=?+0 +79 +0C 0 +79 ;@4 9@?79 0@+98

OH ' ?+9+O' ?4 0D:7 2 ' > + ' -@9 GB*:#I O! ' A:O;@B ' - 9 G; *:I *.$' O A:O;@B ' -@9 4@+ -98+4* A' GB*: I,' # C8 O ;9" ?# ?94@;= ;9 # ;@4 9@?" ? # 9B>8AO; 4?*4

40*+ ?4* 9= $%'."# #8'" GCI# +79 ;;98 +79 &'298)#8" G?I " +79 ;@4 9@?7!?* ?O >99;4* 9= +79P984B9 +98B?/ 47 89 98 +O +79 8 08=98 0 ?@C98C0?+0;80B / +70@+ ;/*8=?# ;0+ +7*+0 =9-9 OCB9;+ 79 B 4 9 ?;?98+9= 0;+79 C8 B @9# *;= +?40;+* ;9= >@;=9 0 +8*479*9# * +98 +8*-98?;:+79 C8 B @9*;=?94@;= ;9# 95C*;=?* +79 >*?9 0 +79 ;@4 9@?;+O *?/0 9;0 0@89= 49 @ *8 +??@96 +98B9= 2%)!/J/5 OCC0?+9 +O /7 47 +7989 ?* B0?+* /*A?*' 40889?C0;= ;:?/9 ;:0;+79 C8 B @9 ?+79 0-@9# /7 47 ?/70 A 40BC0?9= 0 49 @ *8 +??@9# :80/?# *' 4*- +A ?08B9= ;9*8 +79 49;+89 G :OH I 0 +79 ;@4 9@?# >A +79= *+*+0;0 0 0;9 0 +?49 ?" +7 ?4*- +A# /7 47 95+9;=?+780@:7 +79 9;:+7 0 +79 ;@4 9@?# *;=* =7989?>A +?+/0 9;=?+O +79 ;9 :7>0@8 ;:49 ?# ?+79 9B>8AO; 4?*4 4 08 R@ ;+ ;9 +?/* ?7O8+ A >940B9 ;9=/ +7*' B@4 *: ;0@?49 @ *8 +??@9# =9-9 OC9= 80B +79 4 84@BE 989;49 +0/*8=?+79 49;+89# /7 47 ?+79 4*- +A 0 +79 ?*4" +7 ?+??@9# +0:9+798 / +7 +7*+0 +79 ;@4 9@?# 40;?+ +@+9?+79 * B9;+*8A =9C0? +=9?+ ;9= 08 +79 9B>8AO# *;= ?4* 9= /!,9 '8G.'"#&$.'" 9 79 0-@9# +7@?08:*; <9= >9 089 98+ <*+0;# @;=98:09?0;9 0 +79 +7899 0 0/ ;:47*;:9?)1 B0?+ 89R@9;+ A +79 9B>8AO; 4?*4 C@?79?*/*A +79 ;@4 9@?0;* ? =9?# *;= +?0/;C*89;47AB *** 0;9 ?=9-9 OC9=# /79;+79 * >@B9;? *8 ;*490@?" ?0B9+ B9?# *:* ;# +79 *4+0;? 894 C804* # *;= +/0 F ;=?0 /!,9 '8 89?@ +#1+79 /7 +9 :- .%2'/G :?NH # N OI * 08=?* 89B*8F*> 9 ;?+*;49 0 +7 ?0 8+7 ?89*?0; *98+;98# 40BC*8 ;:+79 0-@9 / +7 *# >8=.? 9::# B +9= +79 +98B

/!,9 '8 G/7 +9 0 9::I +0 +79 + ??@9 =9-9 0C9= / +7 ; +79 ;@4 9@? G :NH # +& *;=
:*-9 +7*+ 0 (#$'!!9& GA0 F 0 9::I +0 +7 9 + ??@9 =9-9 0C9= ; +79 9B>8A0; 4 ?*4 G I
98+ <*+ 0; ? *; ;0@;49= >A +79 *CC9*8*;49 0 *>0=A G :OHNI =9?+ ;9= +0
08B +79 9B>8A0# ?@?C9;=9= 80B 08 ;9*8 +79 +0C 0 +79 9B>8A0; 4 ?*4 G?9I =
8?+ +40;? ?+?0 *-9? 4 9 G-9I# ;*B9= ' ,"-38#2 ('&#2!'5 9= / +7 *:8*;@ *8 B*+E
+98# ; /7 47 ? 08B9= 8?+ 0;9 49 # +79;0+798?#
9*47 0 / 7 47 >9*8? *2-$3,!8&$ 0; +? / * 79
@CC98 *;=? 9;=98 C08+ 0;0 +7 ?-9? 4 9 G :OHOI ?
+79 &9&.'8&3"* ; +79 0/98 *;= ?/0 9;C08+ 0; +79
9B>8AO ? =9-9 0C9=" +79 -9? 4 9 *;= +? ?@?C9;?O8
?OO; =?*CC9*8# /79; +79 9B>8AO =9-9 0C?# *4408= ;:
+0 /79+798 + ? B0;040+A 9=0;0@?08 = 40+A 9=0;0@?#
OHN 0A:0B ; " *? /9 7*-9 * 89*=A ?70/ ;# *;= ;489*?9? / +7 ; +79 -67+0 -'2'30?0 21:0*6
98+ <9=0-@ 9#4@+ ,*'6.0'2?4 0'D:7+F
-98+ 4* A 4*- +A 0 +79 0-@ 9# /7 47 + ; -*=9? >A *>?08> ; :
+79 * >@B9; 7*?? 0 = 9= >9 089 +79 :80/+7 0 +79 9B>8AO#
+79 *++98 89B*;? ?B* *;= +*F9? @C 9?? 800B " *;= +79 *>?08C+ 0; 0 +79
* >@B9; ? +79; =9 *A9= + +79 C98 0= 0 :98B ;*+ 0; 79 0-@ 9 ? ;0
* /*A? C80-=9= / +7 +/0 40*+?" ?0B9+ B9? 79 ; ;98 40*+ * 0;9 G?94@;4 ;9 ?
=9-9 0C9= G /!89$5 :OHMI " ; 0+798? +79 ;@4 9@? 89B* ;? ;*F9=B /8$/!/2'3'5
+#&$!'$35 :OH I + ? BC08+*;+ +0 @;=98?+*;= +79 47*;:9? +79 0-@ 9 B*A @;=98:0
>9 089 98+ <*+ 0; " 47*;:9? =@9 +0 @;9R@* =9-9 0CB9; + *+98 ;:+79 89 *+ -9 C0?7
+ 0; ? 0 +? = 989; +C*8+? ; +7908A# +79 7 @B *;= 47* *<* 4O889?C0;=# *;= 044@CA
+79 >*?9 0 +79 0-@ 9# +79 B 480CA 9 >9 ;: * + +79 +0C 08 0CC0? +9 9;= +79
0-@ 9 =9-9 0C? @; 08B A# +79 *88*;:9B9; + ? ;0+= ?+@8>9=# *;= +79 0-@ 9 ? &$"/#7%$
08 3"$%3$"3.39& D3(' 3"#%3$"3.9 5 :OHNI# *;= +79 9B>8AO / / &3%"$&$"/#7%$; +7 ?
4*?9 +79 CO? + 0; 0 +79 8*= 4 9 *; ?/98? +0 +7 *+ 0 +79 B 480CA 9# 9 0CC0? +9 +79
7 @B *;= 47* *<* # *;= +79 9B>8AO ? ?* = +0 79 /8$#$"3.39& D3(' /8$#$"3.9& '$$!'5
:NO I
& 79; +79 0-@ 9=9-9 0C? @;9R@* A# 0;9 0 + /0 +7 ;:? B*A 7*CC9; #+79 47* *<*
G 7# :OH I B*A >9 89B0-9= 80B +79 7 @B +0 /*8=? +79 C0? + 0; 044@C 9= >A +79
+0C 0 +79 0-@ 9 /7 47 +0C# >A * 89-98?9 B0-9B9; +# B*A >9 +@8;9= +0/*8=? +79
7 @B +79 *5 ? 0 +79 0-@ 9 +7@? B*F ;: * 7* +@8; @C0; +?9 # F9 * 40BC*?? ;
;99= 9 +@8; ;: 80B +79 ;08+7 +0 +79 ?0@+7 C0 9 ; +7 ? 4*?9 +79
7 @B ; 0+ 7*- ;: >99; = ?C *49=# +79 -*?4@ *8 >@;= 9 /7 47 40; ;94+?
OH '%*;=9 0; ;*+8OCO@?0-@ 9 4@+ -98+ 4* A G B*: OHQ 79 =0; @B 16 ;*+8OCO@?0-@ 9 ;'= 0 H 989; +?+*:97 0 '=9-9 0CB9; G B*: I 'T(' 0/6,57'-056,2* 2 ' ,+' 'TT
+ / +7 +79 47* *<* ? 0849= +0 0 0/ +79 *++98 ; +? 89-0@+0;# *;= 08B *BO89
08 9?? C80D94+;: 408= . + ; +79 +7 4F;9?? 0 +79 C8 B ;9# ;*B9= +79 "/.%' +79
0-@ 9 ? +79; "'('"&')'08 /8/$"3.79& D3(' /8/$"3.9 5 :? OHQ +0 O I 989 +79 9B>8AO

/ >9 &$"'/#7%$5 *?; +79 + '$$!'5 >@+ +79 47* *<*; / >9 +79 *;+ C0=9?0 +79 7 @B# +79 B 480CA 9 ;9*8 A +0@47 ; : +79 *++98# *;=+79 8*= 4 9 40889?C0;= ; :+0 +79 >*?9 0 +79 0-@ 9 ?@47 *;9B>8A0 ?4* 9= %3 3$"3.39& D3(%3 3$"3.9& 7989 *89 B*;A 95*BC 9?0 +7 ?B /7'5 : OQ %#23"-5 : I

& 79;+79 7 @B *;=47* *<*G :?O 47#O I *89 ;?9C*8*> 9#*;=0;9 ?=9 0 +79 C8 B ;9 GCI ?B089 =9-9 0C9= +7*;+79 0CC0? +9 ?=9#+79 0;9 9; :+79;?/7 9 +79 0+798 89B*;?+*+0;*8A +79 89? ?+*;49 0 +79 ?+*+0;*8A ?=9 4*@?9? +79 9; :+79; ;: ?=9 +0 +@8;*80@;=+79 49;+89 0 89? ?+*;49 +79 0-@ 9 G;I +7@?>9;+>*4F@C0;+?9 ?+*= +0 >9 2/ .-!3$"3.39& D3(2/ .-!3$"3.9

O 2&* O/98 *BCA 0+80C0@?0-@ 9 GB*: I

989 +79 9B>8A0 / 0 0/+79 4@8-*+@89 0 +79 0-@ 9# *;=+79 B 480CA 9 *;=47* *<*G47I

O &* O/98 *BCA00>80C0 0-@ 9# 4@+ -9 , 4* A GB*: I

>9 ;: >0+7 4 0?9 +0 +79 7 @B# +79 8*= 4 9 *;=40+A 9=0;*8A 9;=?/ >9 0; A ?9C*8*+9=>A+79 7 @B# *;=+79 9B>8A0 ?4* 9=/ .%#$"3.3(A& 79 /!!:!3<''G :?0 # 0 I *;=+79 +/!!3<G :?O N OM I *89 /9 B*8F9= ;?+*;49?0 +79 4@8-9=0-@ 9 *;=*BC7 +80C0@?9B>8A0 6

0 +79?9 +789 +AC9?D3"$%3$"3.39&5 /8/#"3.39&5 *;=2/ .-!3$"3.39& * 0-@ 9 C80C98 A>9 0;'' >@+ +7989 *89 B*;A 4*?9?0 ;+98B9= *+9 +AC9?# /7 47 + ? ;949?E ?*8A +0 +*F9 ;+0 *440@;+ ;0;9 4*?9 /7 47# * +70@:7 -98A 8*89# 8@;? +780@:7 +79 /70 9 *B A0 "#"@ !/''<5 *;=044@8? ;6#82/5 0;9?=9 0 +79 0-@ 9 =9-9 0C?

OM 2" 98+ 4* ?94+ 0;' 0 :O Q

9;08B0@?A# /7 9 +79 0+798 :8*=@* A *+80C7 9?' +7 ? *4+ 0;40;+ ;@9? * +98 98+ <*+ 0;# *;=+79 B 480CA 9# *CC80*47 ; :+79 7 @B BO89 *;=BO89# 49*?9? +0 40889?C0;=+0 +79 8*= 4 9# /7 47 B*A 79;49 >9 -*8 *> 9 ;= 894+ 0;' B0?+40BB0; A +79 *5 ? 0 +79 9B>8A0 >940B9? ./"/!!'! +0 +79 7 @B# *;=+79 9B>8A0 ?4* 9= %'$''3$"3.39& D3(%'$''3$"3.9& ! / 8 $ / #8 5 Q " &./"/79&5 : Q I

&79;+79 ?99= ?B*+@89# + >940B9? = 4@+0 = ?+ ; :@ ?7 ;+?40*+?B$'&$/ *;='8)3.!'9"/+79 C8 B ;9# ?94@;= ;9# +984 ;9 G;@4 9@?I# *;=R@ ;+ ;9 G9B>8AE 0; 4 ?*4I# /7 47 * 9;+98 ;+0 +? 40BC0?+0; 79 +9?+*9- =9;+A 89C89?9;+? +79 C8 B ;9 *;=# *?+79 8*C79 7*? C@8?@9= +?40@8?9 >9+/99;+ *;=+79 ?94@;= ;9# +7? *++98 B@?+>9 89C89?9;+9=>A+79 9;=0C 9@8* >@+ +79 ;@4 9@?*;=9B>8A0; 4 ?*4 *89 9 +798 C@?79=>*4F>A+79 9B>8AO#*;=89=@49=+0 B9B>8*;9? ; ;:+79 ;;98 / * 0+79 ?94@;= ;9# O8+79A40BC 9+9 A= ?*CC9*8 +79 ?94@;= ;9 +?9 B*A ;=99=?*CE C9*8# *;=+79 9B>8A0; 4 ?*4 * 0;9 89B* ;/ +7 O8 / +70@+79 ;@4 9@? *?+ A# +79?9

B9B>8*;9?B*A>9@;+9=*;=40;0@;=9=#?0**?+0>940B9;=?+;4+ 79C8B;9 +7989 O89 4*;;0+>9=9;+9=/+>+79+9?+*#9549C+;4*?9?/79;+79*++98 4*;79 4 9*;A89B0-9=#95C0?;:+9 8*C79>9+/99;+*;=+79 9;=0C 9@8*"*;=+79;+79 9;=0C 9@8*?0>-0@?A O8B9=>A+79?94@;=;9#/+7 O8/+70@+79+984;9*;= R@;+;9#*?B*A>9 9*?A ?99;;+79 "/87'

79+7899+AC 4* B0= 4*+0;?C+79C0?+0;?0+79C*8+?0+79 0-@9>9;:F;0/;#/9/ ;=4*+9+79 40889?C0;=;:C08+0;?0+79 9B>8A0;+79?99=)1 o (1 -@9?+8* :7+G3"$%3$"3.39& 5*;=40;?9R@9;+A9B>8A0/8$#!"3.-A0 1+79?99=B*A>9) H# '"'2$ G8*=49?@C98 08I" H5.'8)9!39& G8*=49; 98 08I" M# %3"#K J38$/!>./"#'$/!G8*=49 49;+8 @:*I" # %3"#J38$/!>/?#!'G8*=49 49;+8 @:*I 1 -@9"'('")G/8/$"3.39& 5=/)#9B>8A0 #3 3$"3.39&%B +79?99= B*A>9) H# '"'2$ G8*=49; 98 08I" # .'8)9!39& G8*=49?@C98 08I" M# %3"#J38$/!> /"#'$/!G8*=49 49;+8 @:*I" # %3"#J38$/!>/?#!'G8*=49 49;+8 C9+*I O ((!'29"(')'D2/ .-!3$"3.39& 5*;=9B>8A0/ .%#$"3.39&' +79 9B>8A0?;0+B@47 4@8-9=#+79 8*=49?; 98 08# ?@C98 08# 49;+8 C9+*# 08 49;+8 E @:*#*4408=;:+0+79C0?+0;0+79B 480CA 9" ;9+798 95+89B +A0+79 9B>8A0 ?+@8;9=+0/*8=?+79 7 @B#0/;:+0+79@;9R@*:80/+7 0+79 40*+?# +?*=+0 >9%'$'"3$"3.39&E +B*A+79;>9 9+798?+8* :7+# 4@8-9=# 08 95@0@?# *;=+79 8*=49 ? ; 98 08# ?@C98 08# 49;+8 C9+*# 49;+8 @:*# 08 -*:@9

0 40BC 9+9+79 *;*+0BA0+79 '!' '8$/"-*;=:98)/ '8$/!08:*;?#/9B@?= =9?48 >9+7*+0 498+*;B0= 4*+0;?0+79 49 @ *8+??@9) +79?9*89."#2F!'&5%/#"&5 7!/8)&5*;=!'8$#2'!&

8 4F 9? 1 79?9*89 40BC0?9=0 *+ 49 @ *8+??@9*;*0:0@?+0+7*+0+79!/"FE +79A B@?+;0+>9 40; 0@;=9=/+7&.#8'&5/7 47*89 >80 8*?4@ *8#*;=*89 B989 A +8*;? O8B9=O8:*;?#/70?9;*+@89 ?;=4*+9=>A +79 8 C0?+0;*9+79A*89 *>O8+9=>8*;479?B !/2F$%3"85 :NHI#7*8=9;9=?+C@ 9?B 3,#8#/5 :HH I#C9+0 9?0 C;;*+9 9*-9?>940B9?C;A**+98+79* 0+79 9* 9+?B &$"/7/!9& "/7/2/8#%/ 5 9*-9?0/7 47+79;98-9?7*-9 9;:+79;9=;+0?C;A C0;+?#+0+79 =9?+8@4+0;0 +79C*89;47AB*B '",'"#&5 :Q I" 29&%#38&5/7 47 9 0;:*+9:89*+A#*;=>940B9 C@;:9;+B 33&','""-5 :QNI" "#2F!'&50;+79 40;+8*8A#*89=?C98?9=/+70@+08=98 0;+79?+9B*;=9*-9?#*;=9-9;0;+79 4080*#*;=*89+7 4F9;9=#7*8=9;9=#*;= C@;:9;+7*8?& 79;A0@;:#+79A95*4+A89?9B>9%/#"&50/7 47/9 *89*>0@+0?C9*F#*;=+?0;A/79;0=98+7*+79A+7 4F9;# 9;:+79;#*;=7*8=9;"+79A044@8 0;+79 3&'G :N I ;9-98A?+*:9 0+?:80/+7 *8? 1 9 @ *8 O8:*;?#/7 47 C8;4C*A044@8 0;>8*;479?# C9+0 9?#*;=+79;98-9?*;=@;=98?@8 *49 0 9*-9?#9?C94*!A A0@;:

OMH' *>>*:9' T:BC 90;9 49 OG' 7* 8 G8**:I

0;9?+79A*89 9;:+79;9=9C=98B*49 ?#40-989=>A 4@+4 9# F9 +70?9 49 ?/7 47=0;0+9;:+79; * 8?*89 98#2'!!9!/"5/79;08B9= 0;0;9 9 0;:*+9=-98+4*#0> R@9# 08 708 <0;+*49 #/7 47 B*A89B*;?BC 9

G : OMHI 08 >8*;47 ; * 08F G : OM I +8 =9;+ ?+*8 G : OMMI U4 0B9 >8*;47 ; ?+*:9? *;= 89?9B> 9 ?@C98 BC0?9= /708 ? G : OM I %/ ,'"')5 &'.$/$'5 08 3#8$') 7* 8? *89 40BC0?9= 0 49 ? D0 ;9= 9;= +0 9;= *;= 08B ;:
? BC 9 >9*=? G :? OM OMNI 08 >8*;479? ?0B9+ B9? * >@;= 9 0 7* 8? 8*= *+9? 708 <0;+* A 80B * 40B B0; 49;+89 *;= >9 ;:@; +9=

OMM A??@B +*889= 0;9 44 ! 9= 7* 8 GB*: I
OM 8*=9?4*;+ * 7*B>989= 7* 8 GB*: I
OMN 8*> ? * 8 89?9B> ;: *;94F]*49GB*: I
OMO 9*;@@? *= *+9= 7* 8 GB*: I
OM +98:*;+798* 8*;479= 7* 8 GB*: I

>A +79 4@+ 4 9 89?9B> 9? +79 8*A? 0 +79 ?@; G : OMOI 79 ?B* >80/; ?4* 9? 0>?98A*> 9 38:'"8& *89 40;? =989= *? &2/"#39& 7* 8?

*;=? 1 79?9 *89 08:*;? 0 &'2"'$#385 8 9 +79A 95+8*4+ * C94@ *8 R@ = 80B +79 B*+98 * ? / +7 / 7 47 +79A 40B9 ; 40;+*4+ +79A *89 9;+ 89 A 49 @ *8 +79 49 ? 0 ?0;;9 :*;=? C80D94+ *;= *89 4* 9= :*;=@ *8 7* 8? / 7 47 0; A = 98 80B 08= ;*8A 7* 8? >A +79 R@ = +79A 40;+* ; ?0B9 *89 ?/0 9; *+ +79 + C B0?+ *89 @; 49 @ *8 *? +70?9 0; +79 4* A5 0 +79 /7' G : OM I *;= 0; +79 -9 -9+A C* *+9 3:+79 8/."/738 G : O QI

79 ?+ ;: ;: 7* 8? 0 +79 '$$!' G : O I *89 08B9= 0 * ? ;: 9 40; 4* 49 0 /7 47 +79 >*?9 ? ?/0 9; ;+0 * >@ *;= *?@880@;=9= >A * :80@C 9C =98B * 49 ? +79 +0C ? :7+ A >9;+ *;= + ? +79 8*: 9 + C 0 +7 ? 7* 8 / 7 47 >89*F ;: ;+79?F ; / 7 47 + 7*?C9;9+8*+9= ;+80E =@49? +79 -9;0B0@? D@ 49 40;+* ;9= ; +79 49 79?+ ;:E ;: 7* 8? 0 +79 #7/8)#/ 7*-9 * *;490 *+9 + C G : O HI *;=@ *8 7* 8? OM *24 *@=@ 8*8 OM ;*C=8*:0; 49 9= 7* 8? O 9+ 9 + ;:;:0;9 49 9= 7* 8 >9;+ O ;*C=8*:0; *;=@ *8 47*B>989= 7* 8 O H & :*;= * + ;:;:7* 8 / +7 *;490 *+9 B*A >9 47*B>989= 0;9 49 9= 7* 8? GB*: I *+79+0C GB*: I GB*: I CO ;+ GB*: I /79; +79 +98B ;* 49 * 0;9 ? : *;== *8 *? ; +79 4* A5 0 +79 8/."/738 G :O I 08+7989B*A >9 ?9-98* ?@C98 BC0?9= 49 ?D>@+ + ? ;-*8 *> A +79 @CC98 0;9?* 0;9 / 7 47 ?9489+9 9 +*+9 7* 8? *89 40BC0?9= 0 0;9 49 A ;: 708 <0;+* A 0; +79 9* # *;= *=798 ;:>A +? 49;+89 +0 +79 9C =98B ?# >A B9*;? 0 * : *;= / 7 47 08B? +? >*?9 G+/!.#7%#/

8@9 : *;=? = 98 80B : *;=@ *8 7* 8? 0; A ; C80D94+ ;: ? :7+ A 08 ;0+ *+ *

H

>0-9 +>99 9C =98B ? +79A C?? ;?9;? > A ;+0 9*47 0+798# *? ; : *;=@ *8 80?9? 79
?@C98 4 * : *;=? 40-98 ;: +79 >8*4+? *;= 0/98? 0 +79 3. G : O M *89 ? BC9
-9? 4 9? G : O I 40;+* ; ; : *R@ =# *;= *89? ;0@? C8 ;4 C 9 4* 9= >A 479B ?+?
!9.9! ' +79?9 -9? 4 9? >@8?+ *;= ?00; = ?*CC9*8# /79; +79 89? ;0@? C8 ;4 C 9
89B* ;? ; +79 08B 0 C0/=98 0B9+ B9? +79 : *;=? *89 ?@;F ; +79 +7 4F;9?? 0
+79 >*8F# >@+ +79A *89 * /*A? ;9*8 +79 9C =98B ? ?@47 *89 +79 : *;=? 4* 9= ('&#29!/'
0 +79 9*-9? 0 $ 3%84& 3"$ *;= + -"$!'5 *;= 0 +79 >*8F 0 +79 "/87'5 /7 47
40;+* ; -0 *+ 9 0 G : O I
& 9 7*-9 * 89*=A =9?48 >9= +79 8'2$/"#:'"39& 7!/8)& 08 8'2$/"#'&5 /7 47 ?9489+9 *
?/99 R@ = GC O I
79 4*-+9? 4* 9= "'&'"(3#"& 3:. "3.'" 9#2'5 ; /7 47 :@B?# 89? ;?# U4# *89
9 *>08*+9= *;= *44@B@ *+9=# *89 ;9= /+ C94@ *8 49 ? +79A *89
; 0:0@? +0 +79 -9? 4@ *8 : *;=?# >@+ BO89 =99C A BB98?9= ; +79 + ??@9
9;+ 49 ?# 08B98 A 4* 9= !'8$#29!/'" 7!/8)&5 *89 ;0+ : *;=@ *8 +79A

6

, ,

O 2 8*;:9
" 98+ 4* '?94+ 0;' O *' 8*; B 9; +' O ' 8 ;=#
O ' OC ?70/ ;:'+79
@C98 4 *: *;=?40;+* ; ;:' 89?98-O 8? G I' O '-O *+ 9 O 'GB*:#I
O M OC @C@ 9 GB*:I
Q' O/98 GB*:I

*89 C80B ;9;49? 0;' +79 ?@8 *49 0 +79 ?+9B G : O N# HI# C80=@49= >A 95489?49;49?
0 +79 9;=0C 9@8*' /7 47 7*-9 C 9849= +79 >*8F =-9;+ + 0@? 8O0+? 0 +9;' ?C8 ;:'
8OB 9;+ 49 ? >@+ +79A * ?0 ?C8 ;: 8OB B*;A 0+798 C0 ;+? /7 47 ;-* =*+9? +79
0C ; 0;' 0 %9 *;=0 9# /70 89:*8=9= 9;+ 49 ? *? +79 T>@=? 0 *98 * 8O0+?

' ' %

+9B 1 79 ?+9B ? 0 '"8& B089 ;9*8 A 89?9B> 9 +70?9 0 40+A 9=0;0@? C*;+?
+7*;' =0 +70?9 0 '*;A 0+798 *40+A 9=0;0@? 08=98 ' +8*;?-98?9 ?94+ 0;' 0 '*' "'':'"8
?+9B G : O OI ?70/? >8O -*?4@ *8 >@;=9? G # -I 0 '-*8 0@?
08B?# =?C0?9= ;' *' B089 08 9?? 889:@ *8 4 84 9# /7 47
?@880@;=? *' A9 0/ ?7 49;+8* ' =?F GBI# *;= ? +?9 ' ?@8E
8O@;=9= >A *' <0;9 0 ' +79 ?*B9 40 0@8 GC I +7 ? =?F *;=
<0;9 *89 49 @ *8# *;= 40B B@; 4*+9 >A *8:98 08 ?B* 98
C*??*:9? >9+/99;' +79 >@;=9? 79 0@+98B 0?+ >*4F ?7
<0;9 ? *;' 9;-9 0C9 08B9= ?@>?9R@9;+ A +0 +79 9C =98B ?# 0 '
+79 >*?9? 0 ' +79 :"38)& ' +8*;?-98?9 ?94+ 0;' 0 ' +79 >*?9?
O O' A*4 9* 0 ' +79?9 80;=? =?C *A? *' ?+8@4+@89 *;* 0:0@? +0 +7*+ 0 ' +79
38*;?-98?9 ?94+ 0;' 0 ' + 9 ?+9B
?+9B# 0;' /7 47 +79 8 >*?9?# /79;' =9+*479=# 9*-9 89B*8F*> 9 ?4*8? 79 ?*B9

?+8@4++ 89' * ; =' ?4*8?' 47*8*4+98 <9' +79' ?+9B?' 0 ' +79' 798>*490@?' 98 ; ?' 0 ' @80C9' G :?' O # O QI' 79' >80 -*?4@ *8' >@ ; = 9?' 0 ' 98 ; ?# / 79+798' 950+ 4' 08' C= : 9 ; 0@?# 40 ; E ? ?+' 0 ' *' C* 9' C08+ 0 ; ' G :' O O# -I# 08B9=' 0 ' * ; ; @ *8' * ; =' 8*= *+ ; :' C8 ?B *+ 4' G?4* *8 08BI' -9??9 ?# ?@880@ ; =9=' >A' *' -98A' ; *880 / ' > *4F' <0 ; 9' G I# 08B9=' 0 ' / 00=A' >89?' 8*479*9' *89' ; -*8 *> A' / * ; + ; : ' 9 / ' 0+798' *40+A 9=0 ; 0@?' *B 9?' 40 ; E +* ;' >80 " *?4@ *8' >@ ; = 9?' ;' +79 8' ?+9B ' ;' +3&&'& * ; =' ' ./$#22'' +79' ?+9B' ?' 40BE C0?9=' 0 ' 9 0 ; : *+9=' 49 ?# / 7 47' ?0B9+ B9?' >940B9' >89?' ' +79' + ??@9?' 0 ' #2%'8&5 987#5 !72 5 U4 # *89' 9 ; + 89 A' 49 @ *8 00+ 1 79' 800+?' 0 ' +79' 7 : 798' *40+A ' 9=0 ; ?# ?C47' *?' 98 ; ?# C89?9 ; +' +79' ?*B9' ?+8@4+@89' *?' +79 8' ?+9B?' ' ;' 98 ; ?# / 9' 8*= *+ ; :' C8 ?B *+ 4' -9??9 ?' * ; =' > *4F' >89?' ;' + /"&#!' /2'2'5 +79' ; 98-9?' *89' 7@B 980 ; ?' ;' -$3.3)#/2'3 5 +79' 9* ' ?' *' 49 @ *8' C *+9' +8*-98?9=' >A' *' ? ; : 9' >89 -*?4@ *8' >@ ; = 9' ;' +3&&'& * ; =' ' ./$#22'5 +79' ; 98-9?' * ' 89C89?9 ; +9=' >A' 9 0 ; : *+9=' 49 ?' ;' +79' 0 / 98' *40+A 9=0 ; ?# +7e' 9*-9?' * ; =' ?+9B' *89' 89C89?9 ; +9=' >A' *' :"38)' 9 ; + 89 A' 40BC0?9=' 0 ' 49 @ *8' + ??@9

9C80=@9+ "9' 8 : * ; ?' 1 8$%'"#)#/' *89' ++ 9' ?*4?# *+' 8?+' C98 94+ A' 4 0?9=# +79 ; ' 0C9 ; ;' *+' *' 498+* ;' C98 0=' *+' 0 ; 9' C0 ;+' 0 ' +79 8' ?@8 *49# * ; =' 9B ++ ; ;' >A' +7 ?' 0C9 ; ;' *' B*??' 0 ' 408C@?4@ 9?# @?@* A' 40798 ; ;' >A' B9*; ?' 0 ' *' B@4 *: ; 0@?' R@ =' +79?9' 08 : * ; ?' *89' 40 ; ? =989=' * ; * 0 : 0@?' +0' * ; +798?' ' / 9' ?7* ' 95C * ;' +79 8' ; *+@89' ;' +79' =9?48 C+ 0 ;' 0 ' +79' 8=98?

.3#U'& *89' ++ 9' B9B>8* ; 0@?' ?*4?# @ ' 0 ' R@ =# / 7 47' : 98B ; *+9' >A' 9 ; : +79 ; ; :' *+' ?0B9' @ ; =9+98B ; 9=' C0 ;+' 0 ' +79 8' 4 84@B 989 ; 49# * ; =' =9-9 0C' ;+0' *' ++ 9' C * ; +' ? B *8' +0' +7*+' / 7 47' C80=@49=' +79 B ' C089?' *89' 08B9=' ;' C*8+ 4@ *8' 4*- + 9?# 4* 9=' &.3"/87#/' É +79A' *89' +79' * ; * 0 : @9?' 0 ' ?99=?# / +7' 89 : *8=' +0' +79 8' @ ; 4+ 0 ; ?# 7@+' +79A' C0??9?' ; 9 +798' 40*+?# 4*@ 4 9# 8*= 4 9# C @B@ 9# ; 08' 40+A 9=0 ; ?' +79A' *89' =9-9 0C9=' 899 A' ;' +79' ?C08* ; : @B# * ; =' ; 9 / 8' *=7989' +0' +?' / * ?# *?' +79' ?99=?' 0 ' 40+A 9=0 ; ?' *=7989' +0' +79 8' C *49 ; +* ' 7C' ?C08* ; : @B# / 7 47' @ ?' +79' @ ; 4+ 0 ; ?' 0 ' *' 4*8C9 # 7*?' ; 9 +798' ?+A 9# ?+ : B*# ; 08' 0-*8 *; ' 4*- +A' +' ?' 9=' / +7' *' 40 ; E + ; @0@?' 49 7=*8' B*??# ; ' +79' B =?+' 0 ' / 7 47' *89' 498+* ;' ?0 *+9=' 49 ?# =9?+ ; 9=' +0' 89C80=@49' +79' C * ; +' .& 9' ?7* ' 95C * ;' +79' ?C089?' * ; =' ?C08* ; : *' / 79 ; ' =9?48 > ; :' +79' 47*8*4+98?' 0 ' +79' 8=98?

O ' * 9' 98 ; ' 8* ; ?-98?9' ?94+ 0 ; ' 0 '+ 9' 87 <0B9

O Q' * 9' 98 ' 7 <0B9' ?70 / ; ;' +79' ?468?' 0 '+ 9' 0 =' 80 ; =?

7D680:9;* ;=05A:9; ;+79?*+09C8OCO8+0;?**?/*+98 79?9+7899>0=9?#08B9=80B+79?*B99 9B9;+?B*?B *8C8OCO8+0;?#*89 4* 9=?0B980@?>0=9?"+79= 989;49>9+/99;+79B40;??+?9;+89A;+79B*;;98;/7 47+79 8B0 94;9?*89:8O@C9=" +?*+7989 O89?BCA;949??*8A+0=98*;:9+79?9B0 94@ 9?0 40;898 =95+8;9# 49 @ 0?9#*;=?+*847;+0 9*47 0+798

79 &97/"A 9 =9=>A+79 97/">2/8'5 ''$"33$5*;=B*;A0+798-9:9+*>9?? ?**?0*+98;*8A40BC0@;=-98A?B *8+0+79C8949=;:0;9?#40;+*;;:0;9B0 94@ 9BO89 0 / *+98+7*;?+*847#6=95+8;9#*;=49 @ 0?9 40;+*;

!923&"08 7"/.'>&97/" 0; A= 98? 8OB4*;9?@:*8;40;+*;;:+7899B0 94@ 9?BO89 0 / *+98 7@?"?+*847 08 =95+8;9# / +7*;*==+0;* B0 94@ 9 0 / *+98# >940B9?4*;9?@:*8*;=:8*C9?@:*8 8OB / 7 47+7899B0 94@ 9?0 / *+98*89*>?+8*4+9=>940B9?4*;9?@:*8

8:*;4 /2#)&5?@47*?/2'$#2*4 =## / 7 47?0@;=;+79?*C C'C*;+?#*;=08B?:;:0@8/;9#.'2$#2*4=;2+79:00?9>988A#$/"$/"#2*4=;:8*C9?#/!#2*4=;*CC 9?#2#$"#2*4=;+79 9B0;*;=0+798 8@+?#7/!!#2*4=;0*F:*?*;=>*8F#U4#*89+98;*8A40BC0@;=?/7 47 40;+*;4*8>0;*;=+79 9 9B9;+?0 / *+98G05A:9;*;=7A=80:9;I# C @?**498+*;R@*;+ +A0 05A:9; #!&5 '&&'82'&5 "'&#8&5 2%"3 ##!"08 2%!3"3.%-!!5*89+98;*8A40BC0@;=?#08B9=>A+79 40B>;*+0;0 4*8>0;/+7+79 9 9B9;+?0 / *+98# C @?**498+*;R@*;+ +A0 7A=80:9;

9?=9?+79?9#-9:9+*>9?40;+*;#9?C94 * A;+79 8>*8F#R@*+98;*8A40BC0@;=?0 4*8>0;# 7A=80:9;# 05A:9;#*;=;+80:9;"+79?948A?+*<9#*;=*89* /*A?0@;=;@;0;/+7*;08:*;4*4=/7 47 08B?**&/!$/+7+79B#/79;49+79 8;*B9 0 ('7'$/,!"/!%/!#'&

79 3..-40;+*;?3".%#8'5 8/"23$#8'5 U4"+79 9?(3 #2/5 &$"-2%8#8'"+79 :9;@?#82%38/5 M9#8#8'5 2#82%3A##8'5*;=29&238#8' 5C98 9;49 7*?C80-9=+7*+5+79 C0 ?0;0@?*;=B9=4;*C8OC98+9?0 -9:9+*>9?89?=9;+79 08:*;4*F* 9?

+798 08:*;4?@>?+*;49? 89R@9;+A0@;=;-9:9+*>9?*89?+ BO89 40BE C 4*+9="08#>9?=9?05A:9;#7A=80:9;#4*8>0;#*;=;+80:9;#C*;+?40;+*;?@ C7@8*;=C70?C708@?) +79?9*89/!,9 '85:#,"#8'5*;=2/&'#8"+79 C8OCO8+0;?0?+79 8 9 9B9;+?*89?B *8#*+70@:7+79 8 C7A?4*C8OC98+9?*89=9 89;+"/79;49+79 ;*B9 0 ."3$'#8>A/7 47 479B ?+?=9?:;*+9+79 9??9;+**C8 ;4C9 0**+70?9 ?@>?+*;49?+7*+**89 40 94+-9A=9?:;*+9=/!,9 #839&8+9 ;7*?>99;**@=9=+0@;=98+79 892!'9&E +40;?+ +@+9?+79 ;@+8+0@?9 9B9;+0 -9:9+*>9?# 0/ +70@+ ;0>00=4*;>9 08B9=#*;=+?**;49# ;?0@>9 ;/*+98# F9 2'!!9!3&'"+B*A>9 00F9=@C0;*?+79 0 :;0'*+79 C*8+?0 C*;+"+**/*A?95 ?+?;+79B#*;=9?C94 * A;+79 ?99=?0 4989*? !,9 '8 40*:=*+9?/+7 79*+F9?+*847"+40;?+ +@+9?;9*8 A** +79?98@B0 > 00=*;=+79 /7 +9 0 9::?#*;=*>0@;=?;+79 D@ 49?0 C*;+? /&'#85 /7 47 08B?/+7?+*847+79 ;@+8+ -9C*8+0 >9*;?# 9;+ ?#*;=CN*?#40;?+ +@+9?9??9;+* A#;+79 B F0**; B* ?#+79 ;@+8 B9;+7*+5+79 A0@;'8949 -9?8OB+?B0+798 !9$'85 /7 47 08B?+79 >*?9 0 9*-9;8 A9*?+# 95 ?+?;BO?+?99=?#*;=?40BC0?9=0+79?*B9 9 9B9;+?G9??+79?@C7@C*;=C70?C708@?I**?*>@B+;# >8;9#*;=4*?9;

79 9 9B9;+?0 4*8>0;4*4=G3?-7'8*;=2/",385 0 **BB0;*G%-)"37'8*;=

8#$"37'8 5 0 ' / *+98' G3?-7'8' * ; =' %-)"37'8 5 * ; =' +79' &9!.%9"' 0 ' ?0 @> 9' ?@ C7*+9?# ?@CC A' B0?+' 0 '+79' B*+98 * ?' 0 ' -9:9+*> 9?' 79' 4*8>0 ;' 0 ' 4*8>0 ; 4' *4 =' >A' @ ; + ; :' / +7' +79' 9 9B9 ;+?' 0 ' / *+98' 08B?' 2'!!9!3&'5 &97/"5 79 5 &$/"2%5 U4 ' * ;' 9549??' 0 ' 05A:9;' C80=@49?' -9:9+*> 9' /2#)&' GB* 4# 4 +8 4# *49+ 4# :* 4# U4 I" * ;' 9549??' 0 ' 7A=80:9;' C80=@49?' 47 080C7A # 0 ?# 89? ; ?' +79' *<0+9' 0 ' *B B0 ; *# *==9=' +0' +79' 9 9B9;+?' 0' / *+98' * ;=' 0 '4*8>0 ; 4' *4 =# : -9?' 8 ?9' +0' -9:9+*> 9' /!F/!#'&' GM9#8#8'5 3".%#8'5%' ' ; * A# ?@ C7@8' * ;=' C70?C708@?# 40B> ;9=' / +7' *<0+9# 05A:9;# 7A=80:9;# *;=' 4*8>0;# 08B' +7899' 08:*; 4' ?@>?+*;49?' 0 ' ? B *8' 90BC0?+0;# ;*B9 A# :#%#8'5 /!,9 '85 *;=' 4*?98;" +79?9' ?@CC A' +79' *; B* ' F ; :=0B' / +7' 9??9;+ * A' ;@+8+0@?' 9 9B9;+?" *?' ?+*+9=' *>0-9# +79A' *89' * / *A?' 0@;=' ;' +79' > 00=# @; +9=' / +7' 0+798 ?@>?+*;49?# *;=' ;0+*> A' / +7' *' 498+* ;' R@*;+ +A' 0 ' .%3&.%/$" 3:' !# '5 *' ?* +' /7 47' 40;?+ +@+9?' +79' ?0 =' C*8+' 0 '>0;9?

9 9&' 08' 39!)' ?' +79' ;*B9' : -9;' +0' +79' > *4F' 4*8>0;*490@?' B*++98' /7 47' 89?@ +?' 80B' +79' =940BC0?+0;' 0 ' 08:*; 4' ?@>?+*;49?" -9:9+*> 9' B0@ =' ?' ;0+7 @:' >@+' 49 @ 0?9# / 7 47' >@8;?' ?0 / A' @;=98' +79' ; @9;49' 0 '+79' 05A:9;' 0 '+79' *+B0?C7989# *;=' 47*;:9?' ;+0' 4*8>0;4' *4 =# / 7 47# = ??0 - ; :' ;' +79' / *+98' 0 '+79' ?0 # C*??9?' ;+0' +79' ?@>?+*;49' 0 ' +79' -9:9+*> 9 ' 79' =940BC0?+0;' 0 ' +79' B0@ =' ?' *?? ?+9=' >A' B ;98*' * F* 9?' G.3$/&%5 &3)/5 2%/!F5 /78'&#/ 5 / 7 47' ;=@49' +79' 08B*+0;' 0' 4*8>0;4' *4 =# *;=' 08B' / +7' +' ?0 @> 9' 4*8>0;*+9?# *>?08>9=' >A' +79' 800+?" +79;# @;=98' +79' ; @9;49' 0 '+79?9' ?*B9' * F* 9?# +79' / *+98' *;=' 4*8>9;4' *4 =' =940BC0?9# *;=' -9:9+*> 9' *4 =?' *89' 08B9=# B089' 08' 9??' 05A:9;<9=# / +7' / 7 47' +79A' 40B>;9' ;* A# +79?9' *4 =?' 47*;:9# *;=' >940B9' &97/"5 &$/"2%5 08' 2'!!9!3&'

7@?# -9:9+*> 9' *4 =?' *89' ;=?C9;?*> 9' +0' +79' 95 ?+9;49' 0 ' C *;+?# *;=' +79 8 08B*+0;' =9C9;=?') H# 0;' +79' / *+98' *;=' 4*8>0; 4' *4 =' / 7 47' 40B>;9# +0' 08B' +79B" # 0;' +79' B ;98*' * F* 9?' / 7 47' ;=@49' +7 ?' 406B>;*+0; ' 0 / ' +79?9' * F* ;9' >*?9?# -P7 47' C *A' ?0' BC08+*;+' *' C*8+' ;' -9:9+*+0;# 89? =9' ;' 7*8=' 08' ?0 +' 804F?# ;*B9=' :'!)&./"5 #2/5 7"/8#$'5 78'#&&5 ,/&/!$5 +79' 9 9B9;+?' 0 ' / 7 47' *89' &#!#2/5 /!9 #8/5 .3$/&%6 /78'&#/5 !# '5 U0 ' +79?9' >*?9?' *89' >98*+9=' >A' +79' = ? ;+9:8*+0;' 08' =940BC0?+0;' 0 '+79' 804F?# 0 ' / 7 47' +79' =9>8 ?# B089' 08' 9??' 47*;:9=# 40;?+ +@+9' /"/,!" &3#!' 79 804F?' *89' = ? ;+9:8*+9=' >A' +79' / *+98' / 7 47# 7*- ; :' C9;9+8*+9=' +79B# 95C*;=?' ;' CD*?? ;:' +0' +79' ?+*+9' 0 ' 49# *;=' +7@?' 0-9840B9?' +79' 4079?0;' 0 ' +79 8' 9 9B9;+?' 79?9' 9 9B9;+?' *89' +79;' = ??0 -9=' >A' / *+98# 9 +798' C@89# 08' 40;+* ; ; :' 05A:9;# 08 0*=9=' / +7' 4*8>0;4' *4 =" +' ?' +7@?' +7*+' +79' * @B ;0@?' *;=' * F* ;9' ? 4*+9?' *89 = ? ;+9:8*+9=' *;=' = ??0 -9=# C89- 0@?' +0' 08B ; :' *8: *490@?' ?0 ?

F* 9?# *;=' 9?C94 * A' C0+*?7## / 79;' B 59=' / +7' ?0 # *89' 89;=989=' ?0 @> 9' >A' +79' *== + 0;' 0 '?@ C7*+9' 0 ' B9# *?' %9798* ;' 7*?' C80-9=' ;49'+79' ?@ C7*+9' 0 ' B9 47*;:9?' +79' ?* +?' 0 ' C0+*?7' ;+0' ?@ C7*+9' 0 'C0+*?7# +' 7*?' >99;' ?@CC80?9=' +7*+' +79 : 9*+98' ?0 @> +A' 0 'C0+*?7' * +98' >9 ;:' +7@?' +89*+9=' ?' *++8 >@+*> 9' +0' +7 ?' +8*;?E 08B*+0;" +7 ?' 7AC0+79? ?' 7*?' ;0+' A9+' >99;' C8*4+ 4* A' C80-9=# *;=' / 9' =0' ;0+' F;0' / 79+798' +79' ?@ C7*+9' *4+?' 479B 4* A' 0;' +79' C0+*?7# 08' / 79+798' +?' 9 94+?' *89' C@89 A' C7A? 4* # +79' 0>D94+' >9 ;:' +0' R@9 A' +79' ?0 @> 9' ?* +?# +0' C89?98-9' +79B' 80B' +79' *>E ?08>9;+' *4+ 0;' 0 '+79' 9*8+7# *;=' +0' *4 +*+9' +79 8' *>?08C+ 0;' >A' +79' 800+?' 0 '+79' C *;+' @+# / 7*+9-98' >9' +79' 95C *;*+ 0;#+7 ?' C80C98+A' 0 '?@ C7*+90 B9' C80-9?' +79' *=-*;+*:9' 0 ' *== ;:' +' +0' +79' ?0 ' ;' / 7 47' 9:@B ;0@?' 0==98?' *89' 4@ + -*+9=' G "':3#!5 #+2'"8'5

/#8:3#8 5 0 ' / 7 47' +79' *?79?' *89' 8 47' ;' C0+*?7 " / 7 9# 0;' +79' 40;+8*8A# +79'*== + 0;' 0 ' 4*8>0;*+9' 0 ' B9# / 7 47' ;=@49?' +79' 08B*+ 0;' 0 ' *B B0; *# ?' -98A' @?9 @ A' 9BC 0A9=' ;' +79' 4@ + -*+ 0;' 0 '4989* ?# 08' / 7 47' *<0+ <9=' B*;@89?' *89' ;949??*8A

#!#2/' ?' @?9 @ # >94*@?9# >9 ; :' C0 / =98A' *;=' ;?0 @> 9# +' *=B +?' * 8' *;=' B0 ?E +@89# /!9 #8/5 >94*@?9' +'89+* ;?' B0 ?+@89# *8O@;=' +79' 8OO+?' G!# '5' >94*@?9# @;=98'+79' ; @9;49' 0 ' / *+98' *4 = 9=' >A' 4*8>0; 4' *4 =# +' 89C *49?' +79' * 7* ;9' >*?9?' 0 ' +79' ? 4*+9?" 79;49' +79' BC08+*;49' 0 ' B*8 # / 7 47' ?' *' B 5+@89' 0 '4 *A' *;=' B9 ' +79' ?0 ' ?' 40BC0?9=' 0 'C@89' &#!#2/' 08' 0 'C@89' 2%/!F5 +' ?' *>?0 @+9 A' ?+98 9' " ' +' ?' / 70 A' 0 '2!/-5 +79' 8OO+?' 4*; ;0+' C9;9+8*+9' +' 79' >9?+' ?0 ' ?' +7*+' ;' / 7 47' 4 *A' ?' B 59=' / +7' 2/",38/$" 3:' !# " ' *;=' &/8)' D&#!#2/ 5 ;' ?@47' C8OC08+ 0;?' +7*+' * 8' *;=' B0 ?+@89' 89*= A' C98B9*+9' +' 6 A

*:9' BC80-9?' +79' ?0 ' >A' >89*F ;:' +' @C# *;=' B@ + C A ;:' +79' ?@8 *49?' / 7 47' 0@:7+' +0' >9' ;' 40;+*4+' / +7' 4*8>0; 4' *4 =# +79' *B;*0; *' 0 '+79' 8* ;# *;=' +79' 05A:9;' 0 '+79' * 8# ?0' +7*+' +79' =9>8 ?' 0 '+79' 804F?' B*A' >9' 89;=989=60 @> 9# *;=' 08B' /"/,!" !/8)' 79' C98 0=' 0 ' * 0/' ?' +7*+' =@8 ;:' / 7 47' +79' ?0 ' ?' 9 +' +0' *+B0?C798 4' ; @9;49?' L&7 9'+79' *;=' ?' +7@?' 9 +' * 0/'*?' *' C89C*8*+ 0;' 08' 498+* ;' 480C?# +' B*A' >9' 044@C 9=' >A' ?0B9' 0+798' C *;+' / 7 47' =09?' ;0+' 80>' +79' ?0 ' 0 ' +79' B*+98 * ?' 89R@ 89=' 08' ?@47' 480C? " +7 ?' 95C * ;?'+79' +7908A' 0 '+79' "3$/$#38' 3:'2"/.&

' '

>?08C+ 0; 1 79' 8OO+?' *89' +79' C8 ;4 C*' 08:*;?' 0 '*>?08C+ 0;' " +79A' C@BC' @C' +79' R@ =' ;+0' / 7 47' +79A' *89' C @;:9=# >A' B9*;?' 0 '+79 8' C98B9*> 9' 49 ?' 79' @C / *8=' B0-9B9;+' 0 '+79' ?*C' ?' 95C * ;9=' >A' *' 8949;+' = ?40-98A' ;' C7A? 4?') 1 '*'+@>9' 4 0?9=' >9 0 /' >A' *' C080@?' B9B>8*;9# *@=' 9=' / +7' *' 9;?9' R@ =A' ?' [_ @;:9=' ;+0' *' 9??' =9;?9' 40 0@89=' R@ =# +7989' ?' ?00;' *' +9;=9;4A' +0' 9?+*> ?7' *;' 9R@ >8 @B' 0 '=9;? +A6' *;=' +79' =9;?9' R@ =' ;' +79' +@>9#>940B9?' 40 0@89=' >A' +79' *== + 0;' 0 ' +79' 9??' 30*-0' R@ =' 0@+? =9' +# *;=' +79' +/ 0' R@ =?' ?+*;=' *+' = 989;+' 79 :7+?" +7*+' ;' +79' C @;:9=' +@>9' 8 ?9?' *>0-9' +?' 9-9 # *;=' 0; A' ?+0C?' 8 ? ;:' / 79;' +?' =9;? +A' ?' ;0' 0;:98' :89*+98' +7*;' +7*+' ;' +79' 0@+98' +@>9 ' @+' +0' C80=@49' +7 ?' 9R@ >8 @B# +7 9 '95+98 08' R@ =' B@?+' 8949 -9' *' 498+* ;' R@*;+ +A' 0 ' +7*+' / +7 ;" +7@?' +7989' ?' *' =0@> 9' 4@889;+' 9?+*E > ?79=' +780@:7' +79' C080@?' B9B>8*;9" +79' 0;9' 80B' / +70@+' ;/ *8=?# 4* 9=' '8)3&' 3&'" +79' 0+798# 9??' ;' =9:899# 80B' / +7 ;' 0@+/ *8=?# 4* 9=' '?3& 3&' ' 7 ?' *4+ 0;' *440BC*;9?' +79' *>?08C+ 0;' 0 ' @ =' >A' +79' 8OO+?' " +79' =*BC' ?0 ' 40;+* ;?' / *+98' *=9;' / +7' *BB0; *# 4*8>0; 4' *4 =# *;=' = 989;+' ?* +?' " +79' 8OO+?# *?' / 9 ' *?' +79' ?+9B# *89' 40BC0?9=' 0 ' *' ?98 9?' 0 ' ?@C98 BC0?9=' 49 ?# ?0B9' 0 ' / 7 47' *89' 9=' / =+7' *' =9;?9D@ 49# *;=' 0+798?' / +7' -9??9 ?' ;' / 7 47' +79' R@ =' 4*;' 9*? A' 8 ?9' >A' 4*C *8A' *4+ 0;' " +79' ?C0;:0 9?' / 7 47' +98B ;*+9' +79' 8OO+ >89?' 7*- ;:' ;0' 9C =98B ?# *89' -98A' C98B9*> 9# +79' / *+98' 0 ' +79' ?0 ' C9;9+8*+9?' +79B# +79' D@ 49' / 7 47' +79A' 40;+* ;' ?' = @+9=' >A' +7 ?' / *+98# *;=' +0' 9?+*> ?7' 9R@ >8 @B' +79' ?*C' 8 ?9?' 80B' 49 ' +0' 49 ' +0' +79' +0C' 0 ' +79' C *;+' #

84@ *+ 0; 1 & 79;' +79' / *+98' 0 ' +79' ?0 # *#=9;' / +7' +79' 4*8>0; 4' *4 =# *B B0; *# *;=' B ;98*' B*++98?:' = ??0 -9=' ;' +# 7*?' C9;9+I *+9=' +79' C *;+# +' +*F9?' +79' ;*B9' 0

H N ' " '

/&2'8)#87 &$$.É +7 ? ?*C +7 4F9;?*? +*?49;=?# ;C8OCO8+ 0;*? +=@+9?*;=?079? +79 B*+98 * ? ;+79 49 ? >@+0+79 B0+ -9 0849 0 +79 9;=0?B0?9*;=4*C *8A *4+ 0;? ?*==9=*;0+798;0+ 9??CO/98 @ +7 ? ?+79*+8*4+ 0;9598+9=80B>0-9 >A+79>@=?# /7 47 =8*/@C+79 OO=;949??*8A+0+79 8=9-9 OCB9;+#*;=A+79 * 89*=A O8B9=9*-9?# 80B+79?@8 *49#0 /7 47 40C 0@? 9-*CO8*+ 0;? 4*88 9=0; 79 9BC+A?C*49? 89?@ + ;:80B+7 ? 9-*CO8*+ 0;*;=80B+79?@>?+*;49*?? B *+9= >A+79>@=?# *89 9=>A+79?*C ;+79C*8+? BB9= *+9 A>9 0/ +79?9 89C* 8+79 8 0??9? ;+79 8+@8;#*;=+7 ? *4+ 0; ? 40;+ ;@9=80B *>0-9 =0/;+0+79 800+?# O8 /7 47+79?0 ? ?+79 89?98-0 8

79>@=?*89+79 8?+O8:*;?0 +79-9:9+*> 9 /7 47*/*F9 ;?C8;:80B+79 8 /;+98+O8CO8 /79;+79A>9:;+0?/9 #+79 89?@ +;:B0-9B9;+0+79?*C?+ B@ *+9? +79 800+?# /7 47 8940BB9;49>79 8 @;4+ 0;?80B+7 ?+B9+79 *?49;=;:4@889;# *?? ?+9=>A+79 9;=0?B0?9# ? 9?+*> ?79=+780@:7+79 ?/0 9;+??@9?0+79+7 4F9;9= B*+98 * ? =9C0? +9=+79 ;8949= ;:A9*8 9-98+79 9??# * +70@:7 + ? +79>@=? /7 47 :-9+79 800+?+79 ? :;=+0 8940BB9;49+79 8 /O8F# +79 /O8F 0+79 800+?? 4*88 9= 0;;=9C9;=9;+ A 0+79 ;@9;49 0+79>@=?* O8+79?9 89B*;4 0?9=0;:* +98+79 ?*C 7*?>9:@;+0 8 ?9 / +7 89B*8F*> 9 0849*;=*>@;=*;49 *+ +79 C98 0=0 +79 &."#87 &/.*;;4 ? 0; ? B*=9;*?+9B#*?+89*B 0 ?*C 0/? 80B +#*;=+79 C800 +7*+;9+798+79>@=?;O8+79 9*-9?*89+79 4*@?9 0+7 ?C79;0B9;0; ? +7*+ +044@8? D@?+79?*B9 0;*?+9B =9C8 -9=0>@=?*;=9*-9? ;95*BC 9 0+7? ?99;;+79+9*8? 0+79-;9# /7 47 0/80B+79?+9B/79;+79 C*;+? C8@;9=# *;=9-9;/79;+? 4@+*B0?+0+79:80@;=>@+*?+79>@=?9;:+79;#*;=*?+79 >8*;479? 89?@ +;:80B+79 8 9 0;:*+0;>940B9 40-989=/+7 9*-9?# +79?@4+0;0 +79 A0@;:>8*;47*;=+79 9-*CO8*+0;80B+79?@8 *49 0+79 9*-9? >940B9 *4+ -9 0849?# /7 47 D0;+70?9 0+79 9;=0?B0?9*;=4*C *8A*4+0;+0**?? ?+79*?49;?0; 0+79?*C *;=;* A# 9 ? ?@?C9;=9=08 ?9-98*B0;+7?

79*?49;+0+79?*C =09?;0+**/*A?+*F9 C *49;+79?*B9 B*;98 ;?C8;: +8?9?*480??* +79/00=A+??@9?;0=>8*;479?# *480??+79?*C /00=0;A *+98# B0?+0+79-9??9?*89 9BC+A 9549C+0:*?9? +*?+?+79;>A+79 49 @ *8+??@9+7*+ +79?*C8?9?+0?@CCO8+79-9:9+*+0;

&79;+79?*C# *=9;/+7+79 B*+98 * ?+7*+ +7*?=??0-9= ;+?*?49;=;:*;=9-98: ;:B*847# 7*?89*479=+79 A0@;:>8*;479?# +C9;9+8*+9?+79 8 408+4* C+7*;=+79C*89;47AB*0+79 9*-9?+7989 +;=?+9 ;;40;+*4+/+7+79**8 /7 47 7*?C9;9+8*+9=>A+79?+0B*+*;+0+79;+9849 @ *8?C*49?+79;+@;=98E :09? BCO8+*;+B0= 4*+0;?#*;=0?9?**8:9CO8+0;0+?/*+98#/7 47 9-*CO8*+9?

0;+79 0@+? =9 79 49 ? 0 +79 .:899;C*8+? 0 +79 7*8F *;= 9*-9? / +7 47 08OE C7A 79 *+95 0 +79 *+ 4 98O@? -9??9 ? >9408;9? 47*8:9= / +7 40 0@89=:8*;@ 9?# *;=+79 ?*C# +7 4F9;9=*;=9;8 479= / +7 ;9/ C8 ;4 C 9?# =9?49;=? 80B +79 9*-9* * 0;:+79 ;98?@8 *49 0 +79 >*8F +0 / *8=? +79 800+? 7 ? =9?49;= ;:B0-9B9 ;? 9*? AC80-9=" + ? ?@ 4 9;+0 C8@;9+79 >*8F 0 * A0@;:>8*;47+0 ?99+79?*CI# + ? 40 0@89=# 00<9 80B+79@CC98 C 0 +79 ;4 ? 0;*;=;0+ 80B +79 0/98 +79 ?+9B >9 + :7+ A 408=9=6 * +98 ?0B9 + B9 +79 >*8F ?/9 ?#*;= 08B? *4@?7 0;*>0-9+79 :*B9;+# /7 9+79 ?+9B# >9 0/ / C89?98-9 +? 08 :;* = *B9+98 08 +7 ? 89*?0;+79 '!/,3"/$')'/.? * ?0 4* 9=)'&2'8)#87 &/. #

79 9 *>08*+9=?*C @8;?79?+79 2/ ,#9 5 *:9 *+ ;0@? @ =/7 47 C98B9*+9? +79 49 @ *8 <0;9# *;= ;/7 47 *89 08B9=+79 9 9B9;+*+A 08:*;? /7 47 40B> ;9+0 C80=@49:80/+7 ;+79 -9:9+*> 9

; = 40+A 9=0;0@? ?+9B?# +79 4*B> @ ; ? C8 ;4 C* A =9C0?+9= >9+/99;+79 /00=A*;= 408+4* ?A?+9B?# / +7 ;+79 *A98 0 *+4 9 '0@6 -9??9 ? *;=+79 >89? 0 +79 >98# ;40;+*4+ / +7 /7 47 +79 =9?49;= ;:?*C 0/?79 A0@;:>@=? ?C8 ;:;:80B +79 *5 0 *9* *89 C *49= ;+79 = 894+0;0 +79 0/0 *+95 80B +7*+ 9* # *;= /7 47# *44@B@ *+ ;:*+79 >*?9 0 +79 C9+0 9# 9 *>08*+9? +7989 +79 9 9B9;+? 0 4*B> @B

; B0;040+A 9=0;C@? ?+9B?# +79 >89? *;* 0:0@? +0 +79 >98 *;= +79 -9??9 ? 0 +79 *+95# /7 47 9*47 >80 -* 4@ *8 >@;=9 40;+* ;?# @8;?7 *;9 *>08*+9=?*C# /7 47 =9C0?+? 4*B> @B ;79*C? = ?C98?9=:+780@:7 +79 ?+9B # ?0 +7*+ +79 8 +98B ;* >@= C80 +? >A +79 ?*C 9 *>08*+9= >A +79 9*-9? 0 +79 C8949= ;:>@=

;* A# 8* ;# 40;+* ;;:+79 B*+98 * ? 08 +79 00= 0 +79 -9:9+*> 9# ? *>?08>9= >A +79 + C? 0 +79 800+?# 8 ?9? ;+79 ?+9B# 480??9? +79 /00= ?A?+9B# 89*479? +79 C*89;47AB*0 +79 9*-9? *;= +79 49 @ *8 + ??@9 0 +79 >*8F# /7989 +@;=98:09? +79 *4+0;0 +79 * 8# >940B9? 9 *>08*+9= ?*C# =9?49;=? +780@:7 +79 >*8F# =9C0? +? *<0;9 0 4*B> @B >9+/99;+79 >98 *;= * >@8;@B# *;= *88 -9? *+ +79 + C? 0 +79 800+?# /79;49 +5 ?+*8+9= +7@? 9?+*> ?7 ;:*+8@9 4 84@ *+0;

-2!3&#& ? *C94@ *8 4 84@ *+0;/7 47 47@ +< 7*? = ?40-989= ;+79 *+4 980@? -9??9 ? 79 0>?98-9= +7*+ +79 40 0@89=:8*;@ 9? 0/ ;? ;@0@? +8*4F?# >9 ;:4*88 9= >A +79 *+95 4@889;+? ;-*8 0@? = 894+0;? * 0;:+79 40@8?9? 0 +79 *;*?+0B0? ;:*+4 980@? -9??9 ?

7A? 0 0: ?+? 7*-9 C80C0?9= = 989;+7908 9? +0 *440@;+ 08 +79 C80C9 ;:0849 /7 47 C@+? +79 *+95 ;B0+0;>@+ 07 7*? ?70/;+7*+ +7 ? B0+0;? ;0+*- +*C79;0B9;0;#>@+ +7*+ +*/*A? *8 ?9?# 9 +798 80B *89;+ ;+79 + ??@9# /79;49 +79 *+95 ;949??*8 A 9?4*C9?# 08# 80B *B947*;4* C89??@89 0;+79 + ??@9# /7 47 ?9+? +79 *+95 ;B0+0;>@+ *? *?0+7*+ +7 ? B0+0;?00;49*?9?

@+ 2-2!3&#& ? *;0>?4@89*;=0@>+ @ C79;0B9;0;#+7 ? ?;0+79 4*?9 /+7 +79 ;+9849 @ *8 4 84@ *+0;G"3$/$#38 5 /7 47 4*;>9 0>?98-9= ;+79 ?9C+*+9 7* 8? 0 498+* ;C*;+? D "/)'&2/8$#/5 *;=9?C94 * A ;+79 49 ? 0 498+* ;*R@*+4? G*?/"/ %/"/? ? *9* 9??# 80;=9?? *40+A 9=0;+? ;+98;0=9?# /79+798 ?0 *+9= 08 ;>@;=9?# 40;? ?+0 4A ;=8 4* 49 ? C *49= 9;= +0 9;=9*47 ;+98;0=9 C80E =@49? *+ +? +0C *7 / 708 0 49 ? ? B *8 +0 +?9 # /7 47 ?C99= A >940B9 ? B *8 A ?9C+*+9 0;9 0 +79?9 49 ? >9 C *49= @;=98 *B 480?40C9# *;= 4 9*89= 80B +79

H "

4* 4*890@?' 48@?+' / 7 47' 0 +9;' 9; -9 0C?' +' F9' *' >*8F# ; B ; 980 ?' :8*; @ 9?' *89' ?99;'
0*+ ; :' ;' *' +8*; ?C*89 ; +' R@ =' / +7 ;' +79' 49 # *; =' 08B ; :' 6' 4@889 ; +' / 7 47' 8 ?9?
* 0; :' 0; 9'; ' +79' *+98* ' / * ?# +7 9 ; # 0 / ?' 708 <0; +* A' * 0; :' +79' @CC98' / * # +79;'
=9?49; =?' * 0; :' +79' 0+798' *+98* ' / * # *; =' >940B9?' *: * ;' 708 <0; +* ' * 0; :' +79' 0/98
/ * ' 0 '+79' 49 ' +' ?' +7 ?' ; +8*49 @ *8' B0+ 0;' / 7 47' 7*?' >99;' 4* 9=' "3$/$#386 *
-98A' ; *CC80C8 *+9' +98B # 08' / 7 47' +' / 0@ =' >9' >9++98' +0' ?@>?+ +@+9' +7*+' 0 ' '-)3&#&
6*>0 ?79=' >A' @: 0' 07 I# / 7 47' 95C89??9?' B@47' B089' 95*4+ A' +79' 4 84@ *8' B0-9E
B 9; +' 0 '+79' ?*C' ;' +79' 49

9?C 8*+ 0; 1 79' 4*8>0;' 0 'C *; +?' ?' =98 -9=' 80B' +79' 4*8>0; 4' *4 =' 40;+* ;9='
;' +79' * 8 +79' 800+?' *>?08>' +' / +7' +79' / *+98' 0 '+79' ?0 ' / 7 47' 70 =?' +' ;' ?0 @+ 0;
/ 7 ?+' +79' 4*8>0;' 0 ' +79' * 8' 9; +98?' +79' 9*-9?' +780@: 7' +79 8' ?+0B*+*' *;A'
95C98 B9; +?' C80-9' +7*+' +79' 9*-9?' *; =' :899;' C*8+?' 954 @? -9 A' C0??9??' +79' C0/98 0'
=940BC0? ; :' 4*8>0; 4' *4 =# +7@?' 2?9C*8*+ ; :' +79' 05A:9;# *; =' 89?+08 ; :' +' +0' +79
*+B0?C7989'' +79A' * ?0' =940BC0?9' / *+98' *; =' 89+* ;' +79' 7A=80:9;'' +7 ?' C0/98 ?'
0; A' 95984 ?9=' @; =98' +79' ; @9; 49' 0 '?@; :7+' 0 / ' *; B* ?' *89' 40; ?+*; + A' >@8; ; :'
4*8>0;' >A' B9*; ?' 0 ' +79' 05A:9;' 0 ' +79' * 8# *; =' 957* ; :' 4*8>0; 4' *4 =# ;' /7 47'
0C98*+ 0;' +79A' 40; ?@B9' *; 9; 08B0@?' R@*; + +A' 0 ' 05A:9;' ' >@+' C *; +?# >A' +79 8'
89?C 8*+ 0; # 89?+089' +79' >* *; 49# 08' +79A' C80- =9' *; ' ; 957*@?+ > 9' ?+089' 0' C@89
05A:9; # *; =' ; 49??*; + A' 89C* 8' +79' 0?' / 7 47' +79' *+B0?C7989' 7*?' ?@?+* ; 9=' +780@:7'
+79' 89?C 8*+ 0;' 0 '*; B* ?

79' C0/98' C0??9??9=' >A' 9*-9?' 0 '=940BC0? ; :' 4*8>0; 4' *4 =' 49*?9?' *+' ; :7+' 08
;' =*8F; 9??' ' +79; +79' 4*8>0; 4' *4 =# *>?08>9=' >A' +79' 800+?' / +7' +79' / *+98' 0 '+79
?0 # 9; +98?' +79' ?+9B # *; =' 89B* ; ?' = ??0 -9=' ;' +79' ?*C' / +7' / 7 47' +79' C *; +' ?
BC89; *+9=' ?00;' +7 ?' / *+98' 9-*C08*+9?' +780@:7' +79' 9*-9?# *; =' 4*88 9?' 0 '+79
4*8>0; 4' *4 =' / 7 47' +' 79 =' ;' ?0 @+ 0;

79' :899;' C*8+?' 0 'C *; +?' *>?08>' 05A:9;' =@8 ; :' +79' ; :7+' >A' *' 479B 4* ' C8049??#
/ 7 47' +9; =?' +0' C80=@49' *' 47*; :9' ;' +79' B *+98 * ?' 40; +* ; 9=' ;' +79 8' + ??@9?' 0
> *; 47' C *; +?# +79A' B@?+' >9' C *49=' @; =98' +79' ?* B9' 40; = + 0; ?' *?' +79' :899;' C*8+?' 0'
-9:9+*> 9?' *89' =@8 ; :' +79' ; :7+# ; *B9 A# ;' 40; + ; @0@?' =*8F; 9??' ' +79' 4*8>0; 4' *4 =
?' +79'; ' ;0+' *?? B *+9=# +>9' :899;' 47 080C7A ' ?' ; 0+' 08B9=# *; =' +79 8' + ??@9?' 40; E
+* ;' *;' 9549??' 0 ' / *+98' *; =' +79' 708+ 4; +@8 ?+' ?' +7@?' 9; *> 9=' +0' 95C9 ' +79' > ++98'
C8 ; 4 C 9' 80B' ?+9B?' 08' 9*-9?

7 ?' 954 @? -9' C80C98+A' 0 ' +79' :899;' C*8+?' ?' C987*C?' =@9' +0' +79 8' 7*- ;:'
>?08>9=' +79' 479B 4 ' 8*A?' 0 ' +79' ?0 *8' :7+# / 7 47' 8*A?' B *A' * =' ;' +79' =940BE
C0? + 0;' 0 '4*8>0; 4' *4 =' ;' +79' 47 080C7A

'&.#"/$#385 / 7 47' ?' +79' 894 C804* ' *4+ 0;' 0 ' +79' ?*C' @C0;' +79' * 8# *; =' 0 ' +79'
* 8' @C0;' +79' ?*C# ?' 4*88 9=' 0;' ;' +79' ;+9849 @ *8' ?C*49?' D!/298/# ' >9; 9*+7' +79'
?+0B*+*# / 7989 +79' * 8' 40B9?' ;+0' 40; +*4+' / +7' +79' C*89; 47AB *' @>B98:9=' C *; +?#
/ 7 47' 7*-9' ;0' 9C =98B ?# *; =' / 70?9' C*89; 47AB *' ?' 79; 49' 95C0?9=' +0' +79' @ =#
=940BC0?9' +79' 4*8>0; 4' *4 =' / 7 47' +79' / *+98' * / *A?' 40; +* ;?# @; =98' +79' ; @9; 49'
0 ' :7+' +8*; ?B ++9=' +780@:7' +79' / *+98#'' +79A' 5' +79' 4*8>0;' * ; =' 89D94+' +79' 05A:9;#
/ 7 47' 89B* ;?' ;' ?0 @+ 0; # *; =' ?@CC08+?' +79' 9' 0 ' *R@*+ 4' *; B* ?' 989# *?' ;'
+79' * 8# +79' ; B* ' *; =' '' 9:9+*> 9' (; :=0B?' .94 C804*+9' 0; A' @; =98' +79' ?+ B@ @?
0 ' :7+'' *; =' '+79' / *+98' >9' +00' =99C# +79' C *; +' >940B9?' C* 9' *; =' 9+ 0 *+9=

9? =9?' +79' 9 *>O8*+ 0;' 0 ' ?*C' >A' +79' :899;' + ??@9?# 0+798' +8@ A' 89?C 8*+O8A' C8049??9?' *89' 4*88 9='0;' ;' +79' C * ;+' O8' +79' C@8CO?9?' 0 ' *?? B *+ 0;') +7@?# / 79;' +79' ?99=' :98B ;*+9?# +' *>?O8>?' 05A:9;' *;=' >98*+9?,' 4*8>0; 4' *4 ='' *' C8049??' *;* 0:0@?' +0' +79' 89?C 8*+O8A' ;' *; B* ?# *;=' / 7 47' ?' 40;+ ;@9='@;+ '+79' 8?+' 9*-9?' 0 '+79' 9B>8AO' *89' =9-9 OC9=' B *8' 89?C 8*+O8A' C8049??9?' *440BC*;A' 0 / 98 ;:'' +79' C9+* ?' *;=' ?+*B9;?' *>?O8>#' >A' =*A' *?' / 9 ' *?' >A';:7+# B@47' 05A:9;#*;=' 9B +' B@47' 4*8>0; 4' *4 ='' 79;C9' +79';05 0@?' R@* +A' 0 '+79' * 8' ;'*' 800B' @ ' 0 ' C *;+?'' / 7 47' ?' :89*+ A' ;489*?9=' >A' +79' 957* *+ 0;' 0 ' 4*8>@89++9=' 7A=80:9;# 40;+8 >@+9=' >A' +79' -0 *+ 9' 0 ?' +0' / 7 47' +79' C98 @B9' 0 '+79' 4C80 *' ?' =@9

-*CO8*+ 0;' ?' *' C79;0B9;0;' *;* 0:0@?' +0' +79' C@ B0;*8A' C98?C 8*+ 0;' 0 ' *; B* ?# *;=' ?70@ =' >9' +89*+9=' 0 ' * +98' 89?C 8*+ 0; -*CO8*+ 0;' ?' 0;9' 0 ' +79' B0?+' *4+ -9' *:9;+?' ;' +79' *?49;+' 0 ' +79' ?*C'' +' :09?' 0;' +7 0;:7' * ' +79' CO89?' 0;' +79' ?@8 *49' 0 ' +79' :899;' C*8+?# >@+' 9?C94 * A' +780@:7' +79' ?+0B*+*'' ;489*? ;:' 08' = B ; ?7 ;:' *?' +79' ?@88O@;= ;:' * 8' ?' =8 98' O8' B0 ?+98

9*-9?' CO??9??' ;' *' ? :7+' =9:899' 0; A' +79' CO / 98' 0 '*>?O8> ;:'+79' / *+98A' -*CO@8' @' +79' * 8'' *;=' +70@:7' 498+* ;' @C8OO+9=' C *;+?' 89B* ;' 89?7' 08' ?0B9' + B9# +7 ?' ?' =@9' +0' +79 8' 0? ;:' ++ 9' >A' 9-*CO8*+ 0;' 0# +00# 9*-9?' 0*+ ;:' / +7' +79 8' 0 / 98' ?@8 *49' 0;' +79' / *+98' =0' ;0+' / +798# ;0+' >94*@?9'+79A' *>?O8>' / *+98# >@+' >94* @?9' +79 8' ?+0B*+*' >9 ;:'?+0CC9='@C# 9-*CO8*+ 0;' ?' *889?+9=

5489+ 0;? 1 'C *;+# * +98' >9 ;:' ;0@8 ?79='>A' +79' B*+98 * ?' 0 ' +79' 9 *>O8*+9=' ?*C# 89D94+?' >A' +?' 9*-9?# : *;=?#>*8>#*;=' 9?C94 * A'>A' +?' 8OO+#* ' @?9 9??' 08';05 0@?' B*++98?' 7@?#+0' 95C89??' ;'*' 9/' / O8=?' +79' ;@+8 + -9' @;4+ 0;?' 0 ' +?' 9# *' -9:9+*> 9' B*A' >9' ?* =' +0' /,&3",5 ,"'/$%'5 /&&# #!/$'5 . '"&.#"'5 *;=' '??"'$'

% 894+ 0;' 0 ' +79' 5 ?# L 79' ?+9B' +9;=?' * / *A?' +0' *?49;=# *;=' +79' 8OO+' *?' @; O8B A' +0' =9?49;=# *;=' 9-9;' ;' @;=98:8O@;=' ?+9B?' +79' + C' 0 ' +79' 87 \0B9' * / *A?' +@8;?' @C / *8=?' ;' +79' +#&$!'$3$' C*8*? +9# +79' ?99=# 59=' +0' +79' >8*;47' 0 ' *' +899# :98B ;*+9?' 0;' +79' >*8>#*;=' * / *A?' = 894+?' +?' 8*= 4 9' +0 / *8=?' +79' 49;+89' 0 '.+79' >8*;47# *;=' +?' C @B@ 9' @' +79' OCC0? +9' = 894+ 0;'' 7989' +79' +899' +*F9?' +79' C *49' 0 ' +79' ?0 # *;=' +79' 8OO+' 0>9A?' *' 9;+8 C9+* #' +79' ?+9B' *' 49;+8 @:*' 0849

++9BC+?' 7*-9' >99;' B*=9' +0' 9 @=9' +7 ?' :9;98*' * /' 0 ' +79' = 894+ 0;' 0 ' *59?# >A' 89-98? ;:' +79' ?99=?' 0 ' A0@;:' C *;+?# / 79;' +79' 8OO+' >9;=?' 80@;=' +0' +79' 9*8+7# *;=' +79' ?+9B' +@8;?' @C / *8=?' ' >05' 0 ' =*BC' 9*8+7' 7*?' >99;' ?0' ?@?C9;=9=' +7*+' ?99=?' 40@ =' >9' C *;+9=' 0;' +79' 0 / 98' ?@8 *49' 0 ' +79' 9*8+7# +79' ?0 ' >9 ;:' *>0-9# * 8' *;=' :7+' >9 0 / '' ?+ ' +79' ?+9B?' 80?9' ;+0' +79' 9*8+7# +79' 8OO+?' =9?49;=9=' ;+0' +79' * 8

0-9B9;+?' 0 ' 9*-9?' *;=' 0 / 98? 1 9*-9?' 40;?+*;+ A' = 894+' +79 8' ;;98' ?@8 *49' +0 / *8=?' +79' ?FA# *;=' +79 8' 0@+98' +0 / *8=?' +79' 9*8+7'' ' +7 ?' = 894+ 0;' ?' 89-98?9=' >A' +/ ?+ ;:' +79' >*?9' 0 ' +79' C9+ 0 9# +79' 9*' 40;?+*;+ A' +9;=?' +0' +@8;' 80@;=' ;' ?C +9' 0 ' *' 0>?+*4 9?# *;=' ' +79?9' 0>?+*4 9?' >9' ;?@C98*> 9# +' :8*= * A' = 9?'' ' +79' >8*;47' >9' 89-98?9=' *8+ 4 * A# +79' C9+ 0 9' + / ?+?'' ' +79' 89-98? 0;' ?' ;*+@8* # *?' ;' <'' .#87' +899?# +79' +08? 0;' 0 ' +79' C9+ 0 9' ?' ?C0;+*;90@?# *;=' +79' ;;98' ?@8 *49' +@8;?' +0 / *8=?' +79' ?FA'' # ;* A# *' 9 *' >9' ?0' ?@?C9;=9=' +7*+' +?' > *=9' ?' 70 <0;+*' *;=' +?' ;;98' ?@8 *49' ?' +@8;9=' =0 / ;/ *8=?# +79' > *=9' ?C99= A' +@8;?' 80@;=# *;=' 89?@B9?' +?' ;08B*' C0?+0;' 7 ?' #8&$#82$' 0 '+79' 9*' =9C9;=?' ;9 +798' 0;' * 8' ;08' 0;' :7+# 08' +' ?' = ?C *A9=' @' / *+98' *;=' ;' =*8F;9??' @+' / +7' B*;A' ?C94 9?# +79' ?+*+9' 0 ' +79

H "

*+B0?C7989# / 79+798 : 00BA 08 78 : +# =8A 08 B0 ?+# 70+ 08 40 =# : -9? 8?9 +0
? ; : @ *8 B0-9B9;+? ; 9*-9? *;= 0 / 98? 7@?# =@8 ; :+79 ; : 7+ +79 9* 9+?0 +79
'/8 *;= 0 "':3#!& 8 ?9j +70?9 0 +79 #M93"#2 '* ;= 0 3%#8#/& 7*; :-98+ 4* A6
7 ? C79;0B9;0;7*? >99; 4* 9=+79 &!'' . 3:.!/8$&>5 *;=+0 C80-9 +7*+ +7 ? ?99C0:
*;= / *F ; :=9C9;=? 0;+79 *>?9;49 *;= C89?9;49 0 :.7+# C *;+? 7*-9 >99; 4*@?9=
+0 ? 99C *+ B = =*A# >A C *4 ; :+79B ;+79 =*8F / 7 ?+ 0+798? 7*-9 >99; /*F9;9= Y
*+ ; : 7+ >A *? ?+80; : *8+ 4 * : 7+

7989 *89 -*8 0@? 950+ 4 C *;+?# / 7 47# / *F ; : >A =*A *;= ? 99C ; : 7A ; :7
;+79 8 ;*+ -9 40@;+8A# 89+* ; ; 0@8 70@?9? +79 7*> +? 0 +79 8 4 B*+9# /747
>9 ; :+79 89-98?9 0 0@8?# +79A ? 99C =@8 ; : 0@8 =*A# *;= / *F9 / 79; +79 ?@; 7*?
?@; F >9 0/ 0@8 708 <0; 8OC 4* C *;+? / *F9 *;= ? 99C / +7 @? *? /9 7*=* *
C98C9+@* 9R@ ;05 98+* ;C *;+?957 > +B0-9B9;+? ;=@49=>A *44 =9;+* 95+98;*
?+ B@ ? ?@47 ?+79 D 9+8? +/9 !/8$ G+# 3&/ .9)#2/ +? C98 0=? 08 ? 99C ;:* ;=
/ *F ; :=0 ;0+ C894 ?9 A 40 ;4 =9 / +7 0@8 ; : 7+ *;= =*A# +? / *F ; : C98 0=? >9 ;:
?@>D94+.+0 - 4 ?? +@=9? =9C9;= ; :0;+79 ? : 7+9?+ 4*@?9?) * :9;+ 9 ?7*F9# * >89*+7
0 / ;=# +79 C*??*:9 0 * ?+08B 4 0@=# +79 * ; : 0 * ?7*=0 / # 0 9;? -9 -*C0@8?#
+79 B0?+=9 4*+9 +0@47# 4*@?9 +79 9* 9+? +0 =800C ?@==9; A# *;= 4 0?9 A 0-98 *C
9*47 0+798 * 0;+79 C9+ 0 9# / 7 47 +79; =800C? * ?0 >@+ ?00; * +98# +79 4*@?9
>9 89B0-9=# +79 C *;+ 8940-98? 80B +7 ? :08+ 0 * ;+# * +? C*8+? 89- -9 *;= 89?@B9
+79 8 8?+ C0? + 0;

6'89&0 !->$"/. G6#382'/ 9&2#.9!/ ? ? *? B* 08+7 B98 4*; 798># /70?9
954 +*> +A ? *+* +0 +79 ;?94+? / 7 47 *CC80*47 + +? 9*-9? +98B ;*+9 ;+/0
80@;=9= C *+9?# D0 ;9= >A *7 ;:9 F9 +79 >0*8=? 0 *? >00F# *;= 8 ;:9= / +7
B*8: ;* >8 ?+ 9?" 0;+79 8 @CC98 ?@8 *49 *89 +/0 08 +7899 ++ 9 : *;=? /7 47 =?+
* R@ = *++8*4+ -9 +0 ;?94+? / 79; * A +0@479? +79?9# +79 +/0 C *+9? 4 0?9 ?7*8C A
*;= ?9 <9 +79 ;?94+# / 70?9 9 08+? +0 9?4*C9 ;489*?9 +79 88 +*+ 0; 0 +79 C *;#
/ 7 47 ;* A 48@?79? + / 79; +79 ;?94+ ? =9*= *;= * B0-9B9;+ 7*? 49*?9=# +79
C *+9? 95C*;= *:* ;# *;= * / * + * 89?7 - 4+ B 79?9 C79;0B9;*# / 7 47 *89 +79
9 94+ 0 954 +9B9;+# *89 ;0+ ?0 9549C+ 0;* *? B :7+ >9 ?@CC0?9= B*;A C *;+? 0
0@8 4 B*+C 0 98 *;* 0:0@? +70@:7 B@47 9??89B*8F*> 9 95*BC 9?

79 0C9; ;:0 ?0B9 0/98? ? =@9 +0 +79 ?+ B@ @? 0 : 7+ B0?+ 0C9;>A =*A#
+70@:7 ?0B9 >A ; :7+# *? +79 + /"('! 3: '"9 G+#"/%#!#& !387#:!3"/'*;= /!/./ 0+798?
0C9;* ;= 4 0?9 *+ -*8 0@? 70@8?# *;= +79 70@8 0 +79 =*A B*A >9 *?498+* ;9= >A
/ *+47 ;:+79 8 7*> +? ;;*9@? *88*;:9= 7 ?:!3"/! 2132 2 ; *4408=*;49 / +7 +79?9
C98 0= 4* 47*;:9?" >@+ ?@47 *4 04F# ; 0@8 -*8 *> 9 4 B*+9# ? 0 +9; +00 ?0/
08 +00 *?+ +4 4*;0; A >9 408894 ; +79 +088 =<0;9# / 7989 +7989 *89 >@+ 9/
+B0?C798 4 47;:9?

79 79*+ *;= B0 ?+@89 0 +79 *+B0?C7989 * ?0 ; @9;49 +79 =* A B0+0;? 0
0/98?) 498+* ;#?C94 9? 089+9 8* ; >A 4 0? ;: ; +79 B == 9 0 +79 =*A# 08 >A
89B* ; ;:0C9; ; +79 9-9; ;:# 08 >A ;0+ 0C9; ;: ; +79 B08; ;: ++9BC+? 7*-9
>99; B*=9 +0 40;?+8@4+ 3:!3"/! ,/"3 '$'' 80B +79?9 0>?98-*+ 0;?# >@+ +? C98 08BE
*;49? *89 *8 B089 889:@ *8 +7*; +70?9 0 +79 08* 4 04F

f .0-0 -6760:0*6- 7/0 2112-03 62 7 6.0 0-67;,-.03 1.0*2:0*7 2 1 7*6 ,0 7- 9*28*' 62 *+,-.
2;-0/?0/- B

6/

98+ <*+ 0; 1 6 ;=98 8:*;0:8*C7A#+79 98+ < ;:*4+ 0;0 +79 C0 9;0;+79 0-@ 97 /*7 * @=9=+0#7@+;0+95C * ;9=/9 ?7* ;0/*;* A?9?0B9=9+* 7 0 +7 7 /0;=98 @ C8049??#+79 B0?+ BC08+*;+ * =9C*8+B9;+7 0 9:9+*7 9 7A? 0 0:A

79*;4 9;+7 7*=40; @?9== 9*7 *7+0+79 ;*+@89 0 +79 ?+*B9;7 +79 >0+*; ?+7 /70 /80+9 * +98+79 9;* ??*;49 7*<*8=9=?0B9 -*:@9 40;D94+@897 0;+7 7 ?@>D94+ *;=+/*7 0; A+0/*8=7+79 9;=0 +79 ?9-9;+99;+7 49;+@8A+7*+ +79 8+8@9 @;4+ 0;7 / 9897 *?? :;9=/ +7 C894 ? 0;+0+79 C ?+ *;=?+*B9; 0@8;9 8+89D94+9=+79 *4+ 0 98+ <*+ 0;#*;=C98? ?+9= ;40;? =98 ;:+79 ?+*B9;7 *7 08:*;7 0 95489+ 0; +98 7 7 =9*+7#+79 B0?+=9-0+9=0 +7 7 =?4 C 9?# 9>*?+ *;+# ;*= ?40@8?9 =9 -989=;HOHN*+79 (;:.7 :*8=9;#95C * ;9=+79 @ 4+ 0;7 0 +79 ?+*B9;?# *;= a=9B0;?+8*+9= ;40;+80-98+ > A +79 C79;0B9;* 0 98+ <*+ 0; ;C *;+? 7*;7? +0+7 7 = ?40-98A#+79 =*+9 0 /7 47 7;7 0/;# 8*;49 4 * B7 +79 70;0@8 0 +79 B0?+ BC08+*;+= ?40-98A /7 47 7*=7 +798+0 >99;B*=9 ;0+*;A :7+ A9*8? *+98# ;*9@7 C0C@ *8 <9=+79 =04+8 ;9 0 98+ <*+ 0;>A 7 ? /8 + ;:?# /7 47 /989 ;0 97? 89B*87*7 9 08 +79 8 9*8; ;:+7*;# 08 +79 8 0:4* *44@8*4A *;= C09+ 4 47*8B

9/95*BC 97 / ?@ 49+0C80-9+79;949?? +A 0 +79 C0 9;+0 98+ <9+79 0-@ 9 79 *+9 7 *= 094 0@7 +899# /70?9 8@ + ?# +79 C8;4 C* 00= 0 498+* ; 9*?+98;*+ 0;?80B + B9 BB9B08 * +79?9 7*-9 7*> +@* A ?@?C9;=9= C*;4 97 0 B* 9 0/98? 0;+79 9B* 9 C *;+?# /79; 98+ <*+ 0; -*8 *> A 9;?@9? 79?9 ;*+ 0;?# /79; *+ /*8# =9?+80A +79 8 9;9B 9?. B* 9 %*+9 +899?# *7= ?0 ?+*8-9+79 8 60/;98? >A 89;=98 ;:+79 9B* 9 C *;+?+98 9

&79;+79 8* ; * 7 9549?? -9*+ +79 0/98 ;:?9*?0;0 +79 " ;9# +79 :80/98? ?*A+7*+ +79 - ;9 "98&5 9 +7*+ +79 C ?+ 7 *89 *>08+ -9 /747 7 0/ ;:+0+79 C0 9; 7*- ;:>99;/*?79=*/*A# *;= 98+ <*+ 0;7*- ;:40;?9R@9;+A ;0+>99;9 94+9= ;;9/A=?40-989= *4 4 ? *;=?# =094 0@7 929"%#$/2'2 ;+80=@49= 08 +79 8?+ +B9 7*-9 C80=@49= 9B* 9 0/98? >@+ +7989 >9;:7 ;0 B* 9?# 98+ <*+ 0;7*7 ;9-98+*F9;C *49 0+*; ?+7 4*;C89-9;+08 C80=@49 98+ <*+ 0;>A 4@++ ;: */*A * 08 ?0B9 0; A 0 +79 ?+ :B*7 0 *C ?+ ; +79 *++98 4*?9 +79 0-*8 97 4O889E ?C0;= ;:+0+79?9 ?+ :B*7 =0 ;0+C80=@49 ?99= C ?+ 980@7 * B 4@ + -*+9= ;* 70+70@?9*+ 98 ;7*= >99;?+98 9 08 9 :7+A A9*8?# /79; ?0B9 C0 9; 80B *?+*B ; 980@7 C *;+ 0 +79 ?*B9 ?C94 97 /*7 ?9;+ >A C0?+ 80B *8? 8@79# >A /747 +79 98 ;+899 /*7 98+ <9=" + /*7+79; 9 +?+98 9 08 9 :7+99;A9*8?# * +98 /747 + B9 +/*7 *:*;*8+ 4 * A 98+ <9=# *;=+79 0C98*+ 0;?@4499=9=*7 *+ 8?+

5C98 B9;+98?7*-9 9BC 0A9= 0+798 B9*;7 +0 =9B0;?+8*+9 +79 C7A? 0 0:4* *4+ 0;0 +79 ?+*B9;" +79A 7*-9 C *49=+79 C0 9;0 0;9 ?C94 97 0;+79 ?+ :B* 0 * = 989;+ ?C94 9?# >9 0;: ;:+0+79 ?*B9 :9;@?# /79; ;= - =@* 7*-9 >99; C80=@49= C*8+*F ;:0 +79 ;*+@89 0 >0+7 ?C94 9? *;+?+7@? C80=@49= >A 480??? 98+ <*+ 0;*89+98B9= 7A>8 =?+79 8 08:*;7 0 -9:9+*+ 0;*89 C89++A /9 =9-9

H

0C9=# >@+ +70?9 0 89C80=@4+ 0; *89 BC98 94+# *;= +79 8 ?99=? *89 @; 98+ 9 * +98 0;e 08 + / 0 :9;98*+ 0;?

0;;94+9= / +7 +7 ? ;+989?+ ;: ?@>D94+ 0 98+ <*+ 0; ? +79 7 ?+08A 0 2'!'%37-8 #!#'#:3!#/5 *; @?+8* *; @C708> *490@? ?78@># / 7 47 4*;;0+ >9 0B ++9= 7989 +? 0 / 98?*89 = 094 0@?#*;= 08 B*;A A9*8? 9B* 9 ;= - =@* ? 7*-9 >99; 4@ + -*+9= ; ;: ?7 0+*; 4 *8=9;?# / 7 47# / +70@+ +79 40 0C98*+ 0; 0 ?+*B9;? G 08 +7989 ? ;0+ * ? ;: 9 B* 9 C *;+ ; @80C9I# 7*-9 C80=@49= ?99=? / 7 47 7*-9 :98B ;*+9=# *;=C80=@49= ;+79 8 +@8; ;= - =@* ?C98 94+ A 89?9B> ;: +79 B0+798 C *;+ 989 +79 C80=@4+ 0; 0 98+ 9 ?99=? / +70@+ +79 ;+98-9;+ 0; 0 C0 9; ? ;40;+9?+*> 9 @+ /9 =0 ;0+7 ;F +7*+ +7 ? 9549C+ 0;* CI79;0B9;0; G/7 47 7*?# 70/9-98# >99; * B0?+ *@+79;+ 4* A C*8* 9 9= >A ' . *;= + '"2J3"#/!#&5 >0+7 ;= :9;0@?= 094 0@? C *;+?I / 0-98+@8;+79 *=B ++9= =04+8 ;9 0 +79 98+ <*+ 0; 0 +79 0-@ 9 >A +79 C0 9; *;=/9 ;= ;0 = 4@ +A ; *=B ++ ;: +7*+ *+@89 7*? :-9;+0 +79 ?99=?0 498+* ; = 094 0@? C *;+? * C0/98 0 B@+C 9=89C80=@4+ 0;# / 7 47 B*A 95+9;=+0 ?9-98* :9;98*+ 0;?# ?@47 *? ? C80-9= +0 95 ?+ ;+79 4*?9 0 .%#)'& 9? =9?# +79 0849 0 +79 *;0B* A C89?9;+9=>A 3'!'%37-82 4*;;0+ >9 9?+ B*+9=*+ +?+8@9 -* @9 @;+ + B9 ?7* 7*-9 ?70/; / 79+798 +7 ?C0/98 ? B +9=08 ;=9 ; +9

79 C98 0= 0 98+ <*+ 0; ?+7*+ *+ / 7 47 +79 0/98 957* 9? +? C98 @B9 *;= *CC9*8? ; +? @ >9*@+A +79 ?+*B9;?*;=C ?+ +79;957 > +?C0;+*;90@?BO+ 0;?# / 7 47 ;?0B9 C94 9? *89 -98A 89B*8F*> 9 7@?# ;+79 '"%'"#&5 +79 *B9;+? 0 +79 ?+*B9;?*89 *+ 8?+ C89??9= >9+/99;+79 +/0 :*;=?0 9*47 C9+* # / 7 47 *? +79A ?C89*= 0849 +79 *B9;+?+0 ?C89*= * ?0 +79?9 ?00; 899 +79B?9 -9? @;=98 +79 ?+ B@ @?0 +79 ?@;# * =9= >A * ? :7+ 9-*C08*+ 0; / 7 47 7*?40;+8*4+9= +79?9 *;=+79 :*;=?/ 7 47 89+*;9= +79B / 79;+79A R@ 4F A 89?@B9 +79 8 0;: @* >9;+ C0? + 0; *;= *CC80*47 +79 C ?+ # 0; / 7 47 +79 *;+>9 .? ?79= +70 8 C0 9; 7 ? *4+ 0;# / 7 47 ? 9 94+9= >A +79 ?0 *8 8*A?# B*A >9 *8+ 4 * A ;=@49=# 9 +798 >A :9;+ A 88 +*+;: +79 *B9;+?# 08 >A ?7*F ;: +79 0/98 08 +79 9*?+ ?7*F9 08 ? :7+9?+ +0@47 89 9*?9? +79 ?+*B9; 79 ?*B9 88 +*> +A ? 0>?98-*> 9 ; /"#/> $/"#/ *;= ; '$$!'&5 +79 *B9;+? 0 / 7 47 9 4@8-9= >*4F / +7 ;+79 4* A5# >@+ ;?+*;+ A ?C8 ;: @C# :7+ A +0@479= / 79;+79 *;+798# / 7 47 /*? C89- 0@? A C89??9= =0/;*+ +79 >0++0B 0 +79 0/98# ? 4*88 9= @C# *;= ?79=? * ++ 9 4 0@= 0 C0 9; 4 9 ?79=? +?C0 9; / +7 9?? 0849 8+ / +7 >9++98 * B +7*? 0@8 08 -9 C9+* ?*;=9 :7+ 08 +9;?+*B9;? 0; B0?+ 0/98?+7989 ? 0;9 ?+*B9; /7 47# ;?+9*= 0 ?C89*= ;: 708 <0;+* A 0-98 0;9 08 >9+/99; +/0 C9+* ?# >9;=? 0-98 +79 C ?+ # *:* ;?+ /7 47 +79 *B9;+ C89??9 C*+ 9;+ A /*+479=# +79 *;+798 / >9 0@;= +0 0C9;*;=9B +79 C0 9; / 79;+79 ?+*B9;# 7*- ;: @ 9= +? @;4+ 0;# * ? >*4F# *;=*;0+798 8 ?9? +0 +*F9 +? C *49#*;= ?0 0; ;?@449?? 0 + * +79 *;+798? 7*-9 ;+@8;?79= +79 8 C0 9; 0; +79 C ?+ 79 9 *?+ 4 +A 0 +79 *;+798? ? ;0 * /*A? ?@ 4 9;+ +0 = ?47*8:9 +79 C0 9; 0; +79 ?+ :B* 79 40;=+0;? @;=98 /7 47 +79 C0 9; ? = ?47*8:9= *89 -98A -*8 0@? ;B*;A 9*?9? +79 0/98 ? 98+ <9= >9 089 95C*;?0; ; B*;A 0+798?# +79 *;+798? *89 C *49= *>0-9 +79 C ?+ # *;= +79 C0 9; ? >80@:7+= 894+ A ;+0 40;+*4+ / +7 +79 ?+ :B* >@+ 89R@9;+ A 7*CC9;? +7*+ +79 C0? + 0; 0 +79 ?+*B9;? ?@; *-0@8*> 9 +0 +79 8 C0 9; 89*47 ;: +79 ?+ :B*

H "

*;=5=9CO? +9=5 0;5+795 ?+ :B*5 0 5+795 0/985 *5 CO8+ 0;5 0 5 +?5 0/;5 CO 9;5 ;* W#+795 4080 *5 0 5C8 B80?9?5 40;+* ;?5 B*CA5+ ;A5 79B C+980@?5 ;?94+?# 0 5+795 :9;@?5 %'#.&5 /7 47# B0- ;:5 *>0@+5+795 0/985 ;5* 5=894+ 0;?# +8*;?CO85+5 80B5+795 *;+7985?5 +0 +795 ?+ :B*5+795 CO 9;5 /7 475 *=7989?5 +0 5+79B5 7A5 /7 475 B9*;?5*:* ;5+795 C*;+5 / 5795 ?9 98+ <9=

;5+795 98+ <*+0;5 0 5)# 3".%#2 ?C94 9?5 0@8 0C98*+0;?5 *895+7@?5 CO?? >9)1H# ?9 98+ <*+0;5 0 5+795 !387>&$-!')5 0/985 # ?9 98+ <*+0;5 0 5+795 &%3"$>&$-!')5 0/985 M# 98+ <*+0;5 0 5+795 &%3"$>5 >A5+795 !387>&$-!')5 *;=5 # +7*+5 0 5+795 \0/A >A5+795 &%3"$>&$-!')) +795 +/05 8?+5 8 5%*8/;5 4* ?5 %3 3 3".%#2 +795 +/0 0+798?# %'$'"3>5 3".%#2

8 5%*8/;5 7*?5 *8+ 4 * A5 98+ <9=5 0/98?5 ;5+79?95 = 989;+5 /*A?# >A5 C80E +94+ ;:5+79B5 80B5 ;?94+?# *;=5 795 7*?5 0@;=5 ;5+795 / =5.(# (3/'"# "# 9!/('"#&5*;=5 ;5+795 7 ;9?95 C8 B80?95 G "# 9!/5 #8'8&#&5 +7*+5 %'$'"3 3".%#2 @;0;?5 C80=@495 40;E ?=98*> A5 B089 4*C?@ 9?5 *;=5 :00=5 ?99=?5 +7*;5 %3 3 3".%#2 @;0;?5 7@?5 C8 BE 80?9?5 C89?9;+5+/05 ?9+?5 0 5 ;=-=@* ?# /7 47# *+70@:75>9 0;:;5:5+0 +795 ?*B95 ?C94 9?# *;=5>0+7 5 CO??9?? ;:5?+*B9;?5*;=5 C ?+ ?# *895 B@+@* A5=9C9;=9;+5 0;5 9*475 0+798 08 C98 945 98+ <*+0;5 8 5%*8/;5 40;4 @=9?5+7*+5 *+@89# ;5 9?+*> ?7 ;:5=B08C+0/5 ;5 C8 B80?9?# *;=5 ;5=?8>@+;:5+795+/05 08B?5 ;5 9R@*5;@B>985?5 0 5 ;=-=@* ?# 7*?7 9-=9;+A5 7*=5 ;5-9/5+795 480?? ;:5 0 5=?+;4+5 ;=-=@* ?5 +795 89 *+-95 79 :7+?5 0 5+795 *;+798?5*;=5?+ :B*5?0> : ;:5 ;?94+?5+05 =9C0? +5+795 CO 9;5 0 5 0;95 ?9+5 0;5+795 ?+ :B*5 0 5+795 0+798 5 9-98+79 9??5 +5 ?5 BCO?? >95 ;0+5+05 *=B +5+7*+5+795 ?+ :B*5 0 5+795 -?+9=5 0/985 B*A5 8949 -95 +?5 0/;5 CO 9;5 0/5 +5 ?5 *5/9 F;0/;5 *4+#+7*+5 5+796 CO 9;5 0 5?9-98*5 -*8 9+ 9?5 *5 0;5+795 ?+ :B*5 0 5 0;95 ;=-=@* #+7*+5 0 5 0;95 0 5+79--*8 9+ 9?5 ?5 C89CO+9;+#*;=5 +?5 CO 9;5 +*F9?5 9+ 94+5 +05 +795 954 @? 0;5 0 5+7*+5 0 5*5 +795 0+798?5 8 5%*8/;5+7 ;F?5+7*+5 +5 B*#A5>95 ;9889=5 80B5+7 ?5 +7*+5 ;5 C8 B80?9? +795 %'$'"3 3".%#2 CO 9;#/7 475 ?F;0/;5+05 >95 +795 B0?+5 C0+9;+#/ 5 0-9840B95 +795 *4+0;5 0 5 +795 %3 3 3".%#2 CO 9;5 /79;9-985 +795 +/0 40B95 ;+05 40 ? 0;5 +7@?# 79 *==?# ;=4*+;:5+795 9+ 4*4A5 0 5)# 3".%#& 5 ;5 DK80=@4;:5 480??9?5 >9+/99;5 ;=-=@* ? 0 5+795 +/0 08B?5 79?9 5+/05 08B?# * +70@:75>0+75>9*8;:5?+*B9;?5*;=5C ?+ ?# *895 ;5+7 ?5 4*?95 +8@ A5=094 0@?5 9*475 0 5+79B5 ?5 98+ 9# +70@:75+795 CO 9;5 0 5 9*475 ?5 9?? CO+9;+5 0;5 +?5 0/;?+:B*5+7*;5 0;5+7*+5 0 5+795 0+798 08B

8 5%*8/;5 7*?5 ?+@=9=5=B08C7 ?B5 ;5+795= 989;+5 ?C94 9?5 0 5 #89 5*;=5 795 7*?5 ;?+ +@+9=5 0;5 5 7"/8)# !3"9 5*;=5.'"'88'5 *5 ?98 9?5 0 5 95C98 B9;+?5 /7 475 40; 8B5 +795 C8949= ;:5 40;4 @? 0;?

795 ?4*8 9+ 0/989=5 5 7"/8)# !3"9 5 7*?5 * ?05 +795 +/05 +AC9?5 0 5 0;:5 *;=5 ?708+5 ?+A 9=5 0/985 ;5+795 ?708+ ?+A 9=5 08B5 +795 -95 ?+ :B*?5= -98:9# \80D94+5 >9+/99;5 +795 *B9;+?# *;=5 89?+5*:* ;?+5+795 +@>95 08B9=5 >A5+795 C9+* ?5 ;5+795 0;:?+A 9=5 08B# 0;5+795 40;+8*8A# +795 ?+ :B*?5 *895 9894+# *;=5 * +98;*+95 / +7 5+795 *;+798?5 8 5%*8/;5 ?9 94+9=5+/09-95 0/985 0 5+/05 0;:?+A 9=5 ;=-=@* ?5 /7 475 795 98+ <9=5 795+980B08C7 4* A# 95 / +7 5CO 9;5 80B5+795 ?708+ ?+A 9=5 08B B0?+5 C80=@49=5 :00=5 4*C?@ 9?5 *;=5 ?99=?+70?95 /7 475 /989 ;0+5+0@479=5 89B* ;9=5 *>?0 @+9 A5 ?+98 9# * +70@:75+79 8 5?+:B*?5 /989 40-989=5 / +7 5*5 +7 4F5 *A98 0 5+79 8 5 0/;5 CO 9;5 95+5?0@:75+5+0 *?498+* ;5+795 C80>*> 95 4*@?95 0 5+7 ?5 ?+98 +A# >A5 C *4;:5+795 CO 9;5 0 5 *5?708+ ?+A 9=5 0/985 0;5+795 -95 ?+ :B*?5 0 5 *5 0;:?+A 9=5 0/985 *;=5 * +98*+7 8+99;

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YB0=9‘ 0 ‘+8*;?C08+‘ ;‘ ?0B9‘+79‘C0 9;‘ ?‘ C0/=98A‘*;=‘*>@;=*;+#*?‘ ;‘ #8'&5 .#8/2%6
=2 ‘ +79‘C9;=9;+‘*;+798?‘0 ‘0+798?‘*+‘+79‘ 9*?+‘>89*+7‘?4*++98‘+79‘C0 9;‘0 ;‘0+798?
+79‘C98*;+7‘ ?‘ /*;+ ;:# 08‘+79‘?+ :B*?‘C8OD94+‘>9A0;=‘+79‘ 0/98‘*+‘+79‘B0B9;+‘0‘
98+ <*+0;‘ ;‘?0B9‘+79‘ 0/98?‘*CC9*8‘>9 089‘+79‘ 9*-9?‘ *;=‘?0B9‘7*-9‘ 9*+798A‘
?+ :B*?#*?‘ "/ #8'2'5 +'"29"#/!#&5 U4‘ & ;= 98+ <9=‘ 0/98?‘=0‘ ;0+?9489+9
;94+*8‘+79‘C0 9;‘ ?‘+00‘=8A‘+0‘*=7989‘+0‘ ;?94+?# *;=‘+79‘4080 *‘ ?‘9+798‘*>?9;# 08
C0??9???9?‘;9+798‘+79‘40 0@8# ?49;+# ;08‘;94+*8‘/7 47‘*++8*4+‘+79B#

6&9‘ ?7*‘ 40;4 @=9‘+79?9‘89B*8F?‘>A‘ B9;+0; ;:‘+79‘4@8 0@?‘C79;0B9;*‘89E
?C94+;:‘+79‘98+ <*+0;‘0‘6/!!#&8'"#/‘&.#"/!#&5 /7 47‘:80/?‘?@>B98:9=‘ ;‘?+*:;*;+‘
/*+98?‘ ;‘+79‘?0@+7‘0‘ 8*;49‘ +‘ ?‘=094 0@?# >@+‘+79‘B* 9‘C *;+?‘* /*A?‘:80/‘;9*8
+79‘ 9B* 9‘+79‘ 9B* 9‘ 0/98# C8O+94+9=‘>A‘*‘?C*+79# ?‘ >08;9‘0;‘*‘ 0;:‘C9=@;49
/7 47‘ 8?9?‘ 80B‘ *‘ +@ +‘0‘8*=4*‘ 9*-9?‘ *;=‘+79‘0-*8A‘>9*8?‘+7899‘ 08F9=
?+ :B*?‘ 79‘B* 9‘ 0/98?‘*89‘>08;9‘0;‘*‘ -98A‘?7O8+‘C9=@;49#*;=‘*89‘?9?? 9‘0;‘
‘40;4‘*5?‘9;-90C9=‘ ;‘*‘?C*+79‘ +‘+79‘ 0/98 ;:‘C98 0=‘+79‘ 9B* 9‘C9=@;49
:8*=@* A‘ 9;:+79;?# ?0‘+7*+‘+79‘ 0/98‘ ;* A‘ 0*+?‘0;‘+79‘?@8 *49‘0‘+79‘/*+98#
;=‘0C9;?‘ +?‘C98;+7‘0‘?5‘-98A‘B ;@+9‘?9:B9;+?‘ 79;‘+79‘B* 9‘ 0/98?# /747
7*-9‘ 7+798+0‘89B* ;9=‘?@>B98:9=# =9+*47‘ +79B?9 -9?‘?C0;+*;90@?A‘ 80B‘+79 8
C9=@;49#*;=‘8?9‘+0‘+79‘?@8 *49# /7989‘;@B>98?‘0‘+79B‘B*A‘>9‘?99;‘ 0*+;:‘
80@;=‘+79‘ B 9‘ 0/98# 0;‘ /747‘+79‘*;+798?‘9*?+4* A‘C8OD94+‘*;‘*>@;=*;49‘0‘
C0 9;‘ +98‘98+ <*+0;#+79‘C9=@;49‘0‘+79‘9B* 9‘ 0/98‘40;+8*4+?‘?C 8* A#*;=
+79‘0-*8A‘=9?49;=?‘+0‘+79‘>0++0B‘0‘+79‘/*+98‘+0‘8 C9;‘ +?‘?99=?

;‘ =9?48>;:‘+79‘*;+798# /9‘?C0F9‘0‘+79‘ >80@?‘49 ?‘ /747#*+98‘+79
B*+@8;:‘0‘+79‘C0 9;# 08B‘*‘*A98‘@C0;‘+79‘ ;98‘/* ‘ /747‘*A98‘:9+?‘+7;;98
*?‘ +‘*CC80*479?‘+79‘ ;9‘0‘=97?49;49# /7989‘+‘=?*CC9*8?‘ +‘+79‘B0B9;+‘/79;‘
+79‘C0 9;‘ ?‘89*=A‘+0‘>9‘=?47*8:9=# +79‘B0?+@89‘0‘+79‘*;+798‘9-*C08*+9?# +?
7A:80B9+8 4*‘+??@9#C@ 9=‘= 989;+‘ /*A?‘>A‘+79‘-*8*+0;?‘0‘+79‘*+B0?C7989#
C80=@49?‘*‘?+8*;‘*0;:‘+79‘ ;9‘/7989‘+79‘ >80@?‘49 ?‘*89‘ ;+988@C+9=#*;=‘+79?9
>A‘+79 8‘40;+8*4+0;‘ *-0@8‘+79‘9B ??0;‘0‘+79‘C0 9;‘ +‘+79‘?*B9‘+B9‘+79‘49 ?
0‘+79‘?+ :B*‘>940B9‘-?40@?# ?0‘*?‘+0‘89+*;‘+79‘C0 9;‘C8OD94+9=‘0;‘+0‘+79B‘80B
+79‘*;+798# 08‘4*88 9=‘+7 +798‘ +79‘/ ;=‘08‘>A‘;?94+?‘ 7989@C0;‘+79‘C0 9;‘
?/9 ?# +780@:7‘+79‘*4+0;‘0‘9;=0?B0?9‘+79‘ ;;98‘B9B>8*;9‘8@C+@89?‘+79‘0@+98‘*+‘
0;9‘0‘+79‘C0 ;+?‘ /747‘+0@47‘+79‘?+ :B*‘+79‘.3!!'8>$9,‘ G :‘ HMI‘ 9;:+79;?#
+8*-98?9?‘+79‘ ;+98?+49?‘0‘+79‘?+ :B*+9‘49 ?# *;=‘89*479?‘+79‘40;=@4+;:‘+??@9
/747‘ ?‘+79‘4*;*‘0‘+79‘?+A9# *;=‘/747‘ ?‘47*8:9=# F9‘+79‘?+ :B*# /+7‘*
+7 4F‘ @=‘ + ‘9;:+79; ;:# +79‘C0 9;+@>9‘ ;* A‘9;+98?‘+79‘4*-+A‘0‘+79
0-*8A# +8*-98?9?‘+79‘40;=@4+;:‘+??@9‘ /747‘ ;9?‘+79‘C *49;+*?# *;=‘*+‘*?+
89*479?‘+79‘0-@9‘G :‘ON I# /79;‘+‘9;+98?‘+79‘B 480CA9‘*;=‘40B9?‘;‘40;+*4+
/+7‘+79‘49‘0‘0‘+79‘;@4 9@?‘B' ,"-38#2 &/2 5 +?‘+C‘89?+;:‘0;‘+79‘B9B>8*;9‘0‘0‘+79
?*4#*;=‘C*8+A‘*=798;:‘+0‘+‘ 00;‘*+98‘+7?‘40;+*4+‘0‘+79‘C0 9;+@>9#0;9#
08‘0+9;98‘+/0‘-9?49?‘B' ,"-38#2 ('&#2!'&5 :‘O I‘@?@*A‘*CC9*8‘/+7;‘+79
9B>8A0;4‘?*4#>9 0/‘+79‘+C‘0‘+79‘C0 9;+@>9‘ 79?9‘-9?49?‘90;:*+9‘+79
@CC98‘*;=‘+7;;98‘9;=‘*=798;:‘+0‘+79‘B9B>8*;9‘0‘+79‘?*4‘ &7 9‘0;9‘0‘+79‘+/0
?78;F?‘*;=‘=?*CC9*8?# +79‘0+798‘=9-90C?#*;=‘ ?‘B089‘08‘ 9??‘40BC9+9A‘/+7
+?‘ 899‘9;=‘+79‘4*-+A‘0‘+79‘9B>8A0;4‘?*4‘ 79‘9B>8A0;4‘-9?49#/747/

>9 =9-9 0C9=' ;+0' +79' 9B>8AO# ?' *+' 8?+' 9=' / +7' *' +8*;?C*89;+' @ =# >@+' ?00; C89?9;+?' +8*;?-98?9' ?9C+*' *+' +79' @CC98' 40;+8*4+9=' C*8+' / 7 47' >8; ?' +79' &9&.'8&3"É +79;' *' 0;: +@= ;*' ?9C+@B' ?' 08B9=' ;' +79' ?/0 9;' C*8+# / 7 47' *;?/98?' +0' +79' 899' # 9;=' 0;' / 7 47' 899' 9;=' ?' * +98/*8=?' =9-9 0C9=' 9 +798' 0;9' 0>9# 08' +/0' 0CC0? +9' 0>9?' G23$-!')38& 5' *;=' +79' 0CC0? +9' 9;=' >940B9?' +79' 4*@ 9 9

' C7A? 0 0: ?+?' 40;4@8' ;' +79' *>0-9# >@+' +7989' *89' = 989;+' 0C ; 0;?' *?' +0' +79' C*8+' +79' C0 9;' C *A?' 47 9 =9;' 40;+9;=9=' +7*+' +79' + C' 0' +79' C0 9; +@>9' 08B?' +79' 9B>8AO' >A' 084 ;:' ; /*8=?' +79' B9B>8*;9' 0' +79' 9B>8AO; 4' ?*4# 0 = ;:' +' *80@;=' +?9 # *;=' 044@CA ;:' +?' 4*- +A# / 7989' +' ?C99= A' =9-9 0C?' ;+0' +79' 9B>8AO' 7@?# *4408=;:' +0' 47 9 =9;# +79' 0-@ 9' ?' B989 A' *' 8949C+*4 9# =9?+ ;9=' +0' 8949 -9' +79' 9B>8AO# +0' C80+94+' *;=' ;0@8 ?7' +# +79' +8@9' 89C80=@4+ -9' 08:*;' 89? = ;:' ;' +79' *;+798' @+' *' 4 0?98' 95*B ;*+ 0;' ;?+ +@+9=' >A' +79' B0?+' ?F @' *;*+0B ?+?' 0' +79' 89;47' ?4700' 7*?' 89C9*+9= A' = ?C80-9=' +79' 95 ?+9;49' 0' +79' 9B>8AO; 4' -9? 4 9' >9 089' +79' *88 -*' 0' +79' C0 9; +@>9' 9-98E +79 9??# +' ?' 498+* ;' +7*+' +79' C0 9;' B*

O ' G ;O+748*' 0;: 08*' ;'*+80CO@?' 0-@ 9# 4@+' -98+ E 4*' A' *+' +79' B0B9;+' 0' 98+ ' <* 0C# +0' ?70/'+79' CO]HN;' +@>9# +79' 9;=' 0' / 7 47' ?' ' 40;+*4+' / +7' +79' 9B>8AO; 4' ?*4" / +7 ;# *' +79' +0C' 0' +7 ?'?*4# *89' +/0' -9? 4 9?# 0;9' 0' / 7 47' / ' / +798# *;=' +79' O+798' 08B' +79' 9B>8AO' GB*: I

O H' *;+* @B' *49;+*'>9*8 ;':'+7899' ;@4 9 # /79;49' ??@9'+7899'9B>8AO; 4' ?*47' / +7 ;' *;=' ?*47# / 7 47' 8949 -9' +7899' CO!9; +@>97' GB*: I

O ' "98+ 4*'6+ C@' 0' :'O H' GB*: I# ?70/ ;:' +/0' 0' +79' 9B>8AO; 4' ?*47' / +7 ;' *;=' O@+? =9'+79';@4 9@?

O ' *;+* B;' 08+ 0;'0' ;@+# 4@+' -98+ 4* A' +0' ?70/'+79' 9B>8AO; 4' ?*' / 7 47'7*?'>@8?+'+79';@4 9@?' +79' >O++0B# *;=' 7*?' *?49;=9,' +0'+79'CO 9; +@>9#+79' 899'9 X 0' / 7 47' +'?79*+7?'GB*: I

+98 * A' *?? ?+?' ;' +79' 08B*+ 0;' 0' +79' 9B>8AO' >A' B9*;?' 0' +?':3(#!!/5' / 7 47' C*??9?' >A' 9;=0?B0?9' 80B' +79' C0 9; +@>9' ;+0' +79' ;+98 08' 0' +79' 0-@ 9

79' 98+ <*+ 0;' 0' +79' 0-@ 9' ;' /8$/!/2' ' C89?9;+?' *' R@ +9' 9549C+ 0;*' C79;0B9;0;# / 7 47' =9?98-9?' +0' >9' B9;+ 0;9=' G :?' ONH# O # ONMI' 79' 0-*8A' ?' @; 04@ *8# *;=' +79' 899' 49;+8*' C *49;+*' >9*8?' ?9-98*' ?@?C9;=9=' 0-@ 9?' 9*47' ?' +' 8/F')' ;@4 9@?' G / +70@+' C8 B ;9' 08' ?94@;= ;9I' +' +79' C98 O=' 0' 98+ <*+ 0;# +79' ;@4 9@?' *' >@8?+?' *+' +79' 0 / 98' C*8+# +79' 9B> A0; 4' ?*4' &" 9B98:9?' >A' +7 ?' 0C9; ;:' *;=' *?49;=?' * 0;:' +79' / 70 9' 9;:+7' 0' +79' 0@+98' ?@8 *49' 0' +79' ;@4 9@?# +0' B99+' +79' C0 9; +@>9' $.' *' ++ 9' >9 0/'+79' +0C' 0' +79' ;@4 9@?' 79' *++98' ?00;' / +798?# *;=' +79' 9B>8AO; 4' ?*4# / 7 47' * 0;9' :80/?# 08B?' +79' ;+9:@B 9;+' 0' +79' ?99=

H #

+98 98+ <*+ 0 ; 0 / 98? 8*C = A 0?9 + 89 8 89?7 ; 9?? +79 40 8 0 * * ; = ?+*B9 ; ? / +798 * ; = * +79 ?+A 9 =8 9? @C# +0 : 9+798 / +7 +79 40 ; =@4+ ; : + ??@9 /7 47 9= +# * ; = +7 *+ C08+ 0 ; 0 +7 ? + ??@9 / 7 47 *>@++9= 0 ; +79 0-@ 9 = ?*CC9*8? 0 0 ; +79 0-*8A# 8949 - ; : +79 ; 0@8 ?7B 9 ; + / 7 47 / *? C89- 0@? A = ?+8 >@+9= +0 0+798 C*8+? 0 +79 0 / 98# ; 489*?9?# *? =0 +79 0-@ 9? B * ; A 0 +79?9 >940B9 *889?+9= >A +79 0-98 / 79 B ; : =9-9 0CB9 ; + 0 +79 0+798?# * ; = +79 ; @B>98 *889?+9= ? 0 +9 ; 40 ; ?+* ; + ?0B9+ B9? * ?0 +79 ?9C+* = ?*CC9*8 ; * A# +79 98+ <9= C ?+ +940B9? B089 08 9?? B0= 9= ; 08B# -0 @B9# * ; = 40 ; ? ?+9 ; 4A

] *+@8*+ 0 ; 6 7 ? B *8+? +79 C98 0= / 79 ; +79 47 * ; : 9? / 7 47 +*F9 C *49 ; +79 8@ +# 80B 98+ <*+ 0 ; + +79 = ?C98? 0 ; 0 +79 ?99=# *89 40BC 9+9= 70?9 8@ +? / 7 47 89B * ; 0 *490 ; ? 40 ; + ; @9# F9 +79 9*-9?# +0 =940BC0?9 4*8>0 ; 4 *4 = *; = = ?9 ; : * : 9 05A : 9 ; >A =*A# / 7 ?+ >A ; : 7+ +79A *>?08># 05A : 9 ; * ; = = ?9 ; : *: 9 4*8>0 ; 4 *4 = +B *+@8 +A +79 8 + ??@9 =8 9?# +79 8 40 0@8 47 * ; : 9?# +79 8 >80 -*?4@ *8 >@ ; = 9? ?9C*8*+9# * ; = =97 ?49 ; 49 +*F9? C *49

70?9 8@ +? 8 . ,5 0?9 +79 8 0 *490@? 40 ; ? ?+9 ; 4A * ; = >940B9 9?7A 89?C 89 F9 +79 C8949= ; : @ ; + B *+@8 +A" +79 ; +79 C*89 ; 47AB * ? @ A =9-9 0C9=# +? / *+98A 40 ; +9 ; +? *89 =940BC0?9=# * ; = 59= ; ; 9 / 40B > ; *+ 0 ; ?" +79 2'!!9!3&" 0?9? S?0B9 0 +? 4*8>0 ; * ; = 7A=80 : 9 ; # * ; = >940B9? &$/"2%" * ; = +79 *++98# >A +79 *== + 0 ; 0 / *+98# ? 47 * ; : 9= ; +0 &97/" " 9 : 9+*> 9 *4 =? *89 +79 9R@ -* 9 ; +? 0 ?+*847 * ; = 05A : 9 ; " +0 47 * ; : 9 +79?9 *4 =? ; +0 ?@ : *8# * +7 *+ ? ; 949??*8A ? 9 +798 +7 *+ +79 4*8>0 ; *?? B *+9= >A +79 C * ; ? 7* +*F9 @C +79 8 05A : 9 ; # 08 +7 *+ / *+98 ?7* >9 08B9= *+ +79 95C9 ; ?9 0 +79 *++98 ; B0?+ 8@ +? +79?9 *4 =? *89 ; 0+ 9 ; + 89 A 40 ; -98+9=# ; +0 ?@ : *8# >@+ 9 ; +98 ; +0 40B > ; *+ 0 ; / +7 * F* ; 9 >*?9?# +7@? B0= A ; : +79 8 *4 = *-0@8 79 C80C08+ 0 ; ? 0 *4 = * ; = ?@ : *8 -*8A *4408= ; : +0 +79 ; *+@89 0 +79 8@ +

& 79 ; B *+@8*+ 0 ; ? 40BC 9+9# +79 8@ + = ?9 ; : *: 9? 4*8>0 ; 4 *4 = 08B9= *+ +79 95C9 ; ?9 0 +79 ?@ : *8# * ; = +79 *++98 : 8*=@* A = ?*CC9*8?" 7@+ +79 =940BC0? ; : 8@ +# >A = ?9 ; : *: ; : *8>0 ; 4 *4 = *80@ ; = +# B *+98 * D6 40 ; +8 >@+9? +0 +79 ; 0@8 ?7E B9 ; + 0 +79 A0@ ; : \e9=# + 40 ; 8C 9+9 B *+@8 +A +79 8@ + >89*F? @C# * ; = +79 ?99= +7989@C0 ; 40BB9 ; 496 * ; ; =9C9 ; =9 ; + 95 ?+9 ; 49

% ??9B ; *+ 0 ; ? +79 *4+ >A / 7 47 +79 8 C9 ?99=? *89 ?4*++989= 0-98 +79 ?@8 *49 0 +79 9*8+7 ; 4*C?@ *8 8@ +? +79 ?99=? *89 899= >A +79 =97 ?49 ; 49 0 +79 4*8C9 ? " ; 9?7A 8@ +? +79A *89 89+* ; 9= 0 ; : 98

+@89 7? ; +9 A -*8 9= +79 B9+70=? +9 ; = ; : +0 = ??9B ; *+9 ?99=?) / ;=# / *+98# * ; = 8@ : -080 ; ? * ; B* ? *89 +79 C8 ; 4 C* * : 9 ; +? " * ; = /8 7 B?9 *?? ?+?# 0 +9 ; @ ; / ++ ; : A# >A 7 ? *>0@8? 08 -0A* : 9?# ; +79 +8* ; ?C08+ * ; = B@ + C 4*+ 0 ; 0 ?99=?

98B ; *+ 0 ; 1 79 * : 9 ; +? ; : 98B ; *+ 0 ; *89 / *+98# * 8# 79*+# * ; = =*8F ; 9?? 99=? >@8 9= 08 B * ; A 49 ; +@8 9? ' ; =8A ?0 # C89?98-9= 80B +79 * 8 * ; = 80B -*8 *+ 0 ; ? 0 *+B0?C798 4 +9BC98*+@89# 7*-9 >99 ; F ; 0 / ; +0 : 98B ; *+9 * ; = 89C80=@49 +79 8 ?C94 9?# / 79 ; C *49= @ ; =98 *-0@ *> 9 40 ; = + 0 ; ?

& *+98 ?0 +9 ; ? +79 ; +9 : @B9 ; +?# C9 ; 9+8*+9? +79 + ??@9 0 +79 ?99=# * ; = ?

=940BC0?9=" +?7A=80:9; 7*>?08>9=" +?03A:9;# F9+7*+ 0 +79 * 8# 40B> ;9?/ +7 +79 4*8>0; 0 +79 `99=+0 08B 4*8>0; 4 *4 =# / 7 47 ?9+ 899 9*+ ?;= ?C9;?*> 9+0 :98B ;*+ 0;" *;= ; +79 ?98 9? 0 C79;0B9;*/ 7 47 *440BC*;A+7 ? C8049??# + *4+? * +98;*+9 A*?4*@?9 *;= 9 94+# 08 *99= ?+79 +79*+89 0 479B 4* 40B> ;*+ 0;? :7+ 89+*8=? :98B ;*+ ;# >A 4*@? ;: +79 =940BC0? + 0; 0 4*8>0; 4 *4 =# *;= 79;49 C89-9;+ ;: +79 08B*+ 0; 0 +7 ? :*? ! ;=98 *40B> ;*+ 0;0 *-0@8*> 9 4 84@B?+*;49?# +79 ?99= *>?08>? / *+98# +0:9+798 / +7 +79 05A:9;0 +79 * 8" +79 * >@B9;# @;=98 +79 479B 4* *4+ 0;0 +79?9 *:9;+?# 0?9? *C08+ 0;0 +? 4*8>0;# *;= *+ +79 ?*B9 + B9 40B> ;9? / +7 +79 9 9B9;+? 0 / *+98 + ?00; 47*;:9? ;+0 *?*447*8 ;9# B FA# ?0 @> 9 B*++98# + +0 >9 *>?08>9= >A+79 9B>8A0 +79 * >@B9;7*? >99;*>?08>9= C89-0@? +0 :98B ;*+ 0;# +79 40+A 9=0;? 9; *8:9 *;= ;0@8 ?7 +79 C @B@ 9 & 79; +79 *++98 7*? 9B98:9= 80B+79 :80@;= *;= >940B9 :899;# +79 C79;0B9;* *89 89-98?9=" +79 A0@;: C *;# ;?+9*= 0 *>?08> ;: 05A:9; +0 40B> ;9 / +7 +? 4*8>0;# *;= = ?9;:*: ;: 4*8>0; 4 *4 =# *>?08>? 4*8>0; 4 *4 =# ?9C*8*+9? +79 4*8>0;# *;= *?? B *+9? +

)

' ?' +79' C*8+' 0 ' 0+*;A' / 7 47' +89*+?' 0 '2!/&&#:#2/$#38·· 9 ' +79' B9+70=4*' = ?+8 >@+ 0;' 0 ' C *;+?' ;' :80@C?# ;*B9=' !/&&'&5 / #!#'& G08' ")'"&5 '8'"/5 *;=' .'2#'&' '+79' ;= - =@* ?' 08' ?9C*8*+9' >9 ;:?' 0 ' +79' " 9:9+*> 9' (;:=0B' /747' 89?9B> 9' 9*47' 0+798' *?' B@47' *?' +79A' 89?9B> 9' +79 8' C*89;+?' *;='+79 8' CO?+98 +A# 08B' 40 94+ -9 A' *' &.'2#'&
' +79' ?C94 9?' / 7 47' 89?9B> 9' 9*47' 0+798# * +70@:7' = 98 ;:' ;' 498+* ;' 47*8*4E +98?' / 7 47' >940B9' +79' = ?+ ;4+ -9' ? :;' 0 '9*47# 08B' 40 94+ -9 A' *' 7'89&5 / 7 47' +*F9? +79' ;*B9' 0 ' +79' C8 ;4 C*' ?C94 9? ' 7@?# +79' /%%/7'5 +79' 9"8#.5 +79' 3%/5 +79' $/)#&%55 *89' ?C94 9?' 0 '+79' ?*B9' :9;@?# / 7 47' 7*?' 8949 -9='+79' ;*B9' 0 ' /%%/7'' ? *' ;949??*8A' 40;?9R@9;49# 9*47' C *;+' >9 0;:;' +0' *' :9;@?' *;=' +0' *' ?C94 9?' 7*? 8949 -9='+/0' ;*B9?# +7*+' 0 ' +79' :9;@?' *;=' +7*+' 0 ' +79' ?C94 9?# 9 ' +79' 7'8'"#2 *;= &.'2#:#2 ;*B9# *;=' /9' ?*A' +79' 1"9 >%'/)' /%%/7'5 +79' 9"8#.' /%%/7'5 +79' 3%/ /%%/7'5 +79' /)#&%' /%%/7'

=' +79' :9;98*' / 7 47' 89?9B> 9' 9*47' 0+798' 08B' 40 94+ -9 A' (2:/ #!-' G08' 3")'"I ' +7@?# +79' :9;@?' /%%/7'5 +79' :9;@?' $32%5 +79' :9;@?' %!/&.#5 +79' :9;@?' 32!)'/"#/5 >9 0;:' +0' +79' ?*B9' *B A#;*B9 A' +7*+' 0 ' "92#:'"2'

70?9' *B 9?' / 7 47' *89' * 9=' *89' @;+9=' ;+0' 2!/&&'&' *;=' +7@?' * ' +79' ?C94 9?' 40BC0?;:' +79' "9:9+*> 9' (;:=0B' *89' 4 *?? 9=

@+' +79' ?C94 9?' +?9 ' B*A' >9' ?@>= - =9='' ;=A =@* ?' 0 '+79' ?*B9' ?C94 9?' B*A' >9' C *49='@;=98' = 989;+' 40;=+ 0;?' ' 0;9' +0*A' -9:9+*+9' 0;' *' >*889;' 804F# *;0+798' ;' *' ?/*BC' +7 ?' / ' >9' ?7*=9=# +7*+' +08;' >A' +79' / ;=' B*;' 7 B?9 ' B*A' ;+9;+0;* A' 489*+9' ?@47' = 989;49?# *;=' 40B> ;9' +79B' *4408= ;:' +0' 7 ?' / *;+?' 79' -9:9+*> 9' @;=98' +79?9' = -98?9' ; @9;49?' / ' ;* A' @;=98:0' 47*;:9?' ;' +?' ?9;?>9' R@* +9?# ?@47' *?' ?<9' 0 '800+' +79' ?<9# 40;?+9;4A# *;='=B *+0;' 0 '?+9B' L+79' 08B# 40 0@8# *;= ?49;+' 0 ' +?' 08*' /708 ?# +79' +*?+9' 0 ' +?' 8@ +# U4' @+' +79?9' 47*;:9?# 70/9-98' 40;E ?=98*> 9# / ' ;0+' =9?+80A' +79' C8 B + -9' 47*8*4+98' 0 ' +79' ?C94 9?# / 7 47' / ' * /*A? >9' =?40-98*> 9' +780@:70@+' +?' B0= 4*+0;?' ' 40 94+ 0;' 0 ' ;= - =@* ?' 0 ' +79' ?*B9' ?C94 9?' / 7 47' 7*-9' @;=98:0;9' ?@47' B0= 4*+0;?' >9*8?' +79' ;*B9' 0 ' (/"#'$-' 79' 47*8*4+98?' 0 ' *' -*8 9+A# =9C9;= ;:' 0;' *44 =9;+*' 4*@?9?# *89' ;9-98' 40;?+*;+*' *? ?00;' *?+79' ; @9;4 ;:' 4*@?9' 49*?9?# +79' 47*;:9' 49*?9?# *8 ='+79' C8 B + -9' ?C94 9?' 89*CC9*8?' ;' +?' 08 :;*' 08B' 79' 29!$#(/$')' /%%/7'' ?' *;' 95*BC 9# 0 ' /747' ?5

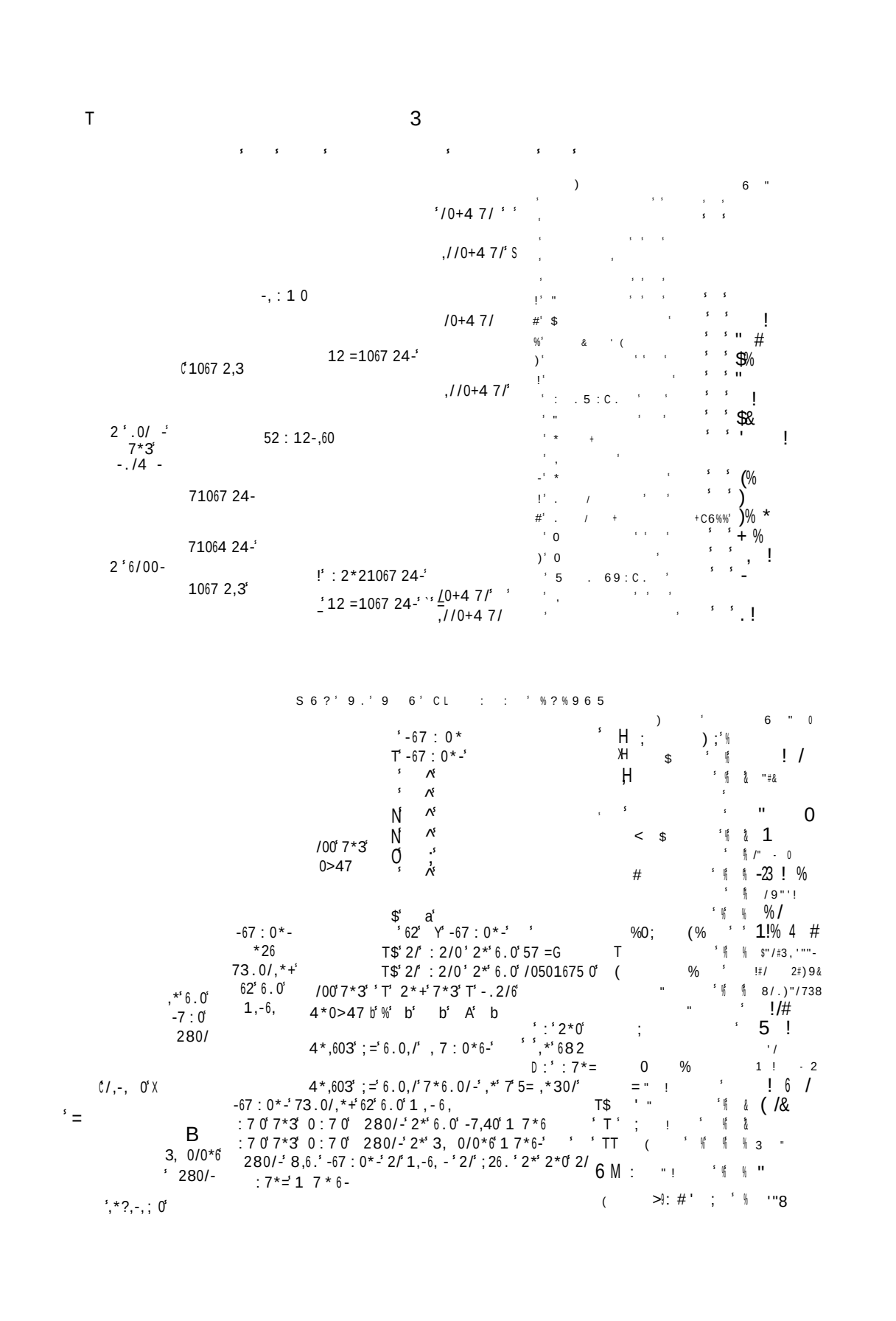
P .,' .23-'2*='*'7' ,:,603'-0*-0 B

-*8 9+ 9? *89 F;0 / ; ; 8*;49) 1 H +79 #!) / , , /7'5 / 7 47 ? +79 C8 B + -9 +AC9 0 +79 ?C94 9? +79 3 38 * /!'5 / +7 *0;:?+9B *;=?C89*= ;: 9*-9?M +79 23$2% * /!'5 0 / 7 47 +79 9*-9? *89 * B0?+ ; *79*= / 79;'A0;;:# +79;'?C89*= ;: *;= / 8 ;F 9= # +79 1"9 %'/) / , , /7'5 0 / 7 47 +79 ?+9B ? ?7O8+# +79 9*-9? :899;'O8 89=# 40;4*-9# *;= :*+7989= ;+0 *79*= >9 O89 0 / 98 ;:' +79 *3%!K "/,#5 +79 ?+9B 0 / 7 47 ? ?/0 9;*;= : 0>@ *8 >9 0 / +79 ;?98+ 0;0 / +79 9*-9?N +79 /9!#:!3<'"5 0 / 7 47 +79 O8* >8*;479?*89 :*+7989= 4 0?9 A +0:9+798 >9 O89 0 / 98 ;:L +79 ?*C 9;+98?+7 ? ; O89?49;49 954 @? -9 A# *;= +8*;? O8B? + ;+0 *+7 4F# ?@44@ 9;+# *;= :8*;@ *8 B*??# / 7 47 @8; ?79? *;9549 9;+ 00= @47 *89 B0= 4*+ 0;? ;=@49= >A 4@ + -*+ 0;+79A *89 / 70 A =@9 +0 +79 9549?? -9 =9-9E OCB9;+ 0 +79 C*89;47AB*# / 7 47 *44@B@ *+9?# ?0B9+ B9? ;+79 9*-9? G1"9 K %'/) / , , /7' 5 ?0B9+ B9? 0; A *+ +79 9=:9 0 +79?9 9*-9? D 23$2% * /!' 5 ?0B9+ B9? *+ +79 >*?9 0 +79 ?+9B >D*3%!>"/,# 5 *;= ?0B9+ B9? ;+79 C9=@;4 9? O8 O8* >8*;479? D /9!#:!3<'"

79 ?99= =09? ;0+ C89?98-9 +79 -*8 9+A + * / *A? +9;=? +0 89C8O=@49 +79 C8 B + -9 +AC9 9-98+79 9?? +7989 *89 C *;+? 0 / 7 47 +79 -*8 9+ 9? *89 C8OC*:*+9= >A ?99=# C8O- =9= +7*+ +79 40;= + 0;? / 7 47 7*-9 BO= 9= +79 ?C94 9? >9 * +7 @ A 89C9*+9= ?@47 *89 +79 '"'/!&5 / 7 47 O8B# ;0+ -*8 9+ 9?# >@+ "/2'&5 +79 O8 : ;* +AC9 0 / 7 47 ? 0?+

79 0 =98 4 *?? 98? *88*;:9= C *;+? *44O8= ;: +0 +79 8 ."3.'"$#'& O8 %/,#$/&&É 0+798? 0;47*8*4+98? =8*/ ;8OB +79 &$' 5 "33$&5 !'/('&5 O8 %/#"& + / *? *+ *?+ C98E 49 -9= +7*+ +79 :!3<'"5 40;+* ; ;:+79 ?99= / 7 47 / *? +0 C98C9+@*+9 +79 ?C94 9?# *;= 40BCO?9= 0 9*-9? 0 / 7 47 +79 O8B# 40 O@8# ;@B>98# *;= 40;;94+ 0;;0+*> A = 98 ;9*47 :9;@? *;= ?C94 9?# ? +79 C*8+ 0 +79 C *;+ / 7 47 0@:7+ +0 @8; ?7 +79 >9?+ 47*8*4+98? O8 4 *?? 4*+ 0; 9;49 +79 0 / 98 @ B ?79? +79 >*? ? 0 +79 ?A?+9B? 0 39"8':3"$ *;= #88/'9&5 +79 B9+70= 0) "9&&#'95 *;= +7*+ 0) "/8)3!!'5 / 7 47 ? *? :7+ A BO= 9= *88*;:9B 9;+ 0 %9 $@?? 9@.? 0@8;9 O8 9?+*> ?79= 7 ? ?A?+9B 0;+79 40;? ?+9;4A 0 +79 ?+9B# 0;+79 C89?9;49 O8 *>?9;49 0 *4080 * G*;= 79 40;? =989= 9-98A O8* 9;-9 0C9 / 7 47 ? ;0+ :899;* ? * 4080 *I# 0;Y +79 ?0 *+ 0;O8 +79 40;+8*8A 0 +79 0 / 98?# *;= 0;+79 ?7*C9 0 +79 C9+* ? 7 ? B9+70=# / 7 47 *CC9*89= ;HNQM# *;= 40BC8 ?9= H # ?C94 9?# >9 ;: >*?9= 0;+79 BO?+ C8OB ;9;+ C*8+ 0 +79 C *;+# / *? ;+9 : > 9 *;= 9*?A 0 *CC 4*+ 0;# *;= / *? 0;49 @; -98?* A *449C+9= >@+ *? +79 F;0 / 9=:9 0 ?C94 9? ;489*?9=# B*;A / 989 0@;= +7*+ / 0@ = 0+ * ;+0 *;A 0 +? 4 *??9?# *;= + / *? 79;49 *>*;=0;9=

79 ?A?+9B 0 ;?9@?# / 7 47 *CC9*89= O8+A A9*8? * +98 +7*+ 0 0@8;9 O8+# / *? 8949 -9= / +7 *;9;+7@? *?B / 7 47 ?+ 95 ?+?# 9?C94 * A ;98B*;A 9 +00F *? +79 >*?9 0 7 ? + / 9;+A 0@8 2!/&&'& +79 47*8*4+98? @8; ?79= >A +79 ?+*B9;? ;+79 8 89 *+ 0;? +0 9*47 0+798 *;= +0 +79 C ?+



79 8?+ +7 8+99 ; 0 +79 ; ;?9*; 2!/&&'& *89 = - =9= ;+0 3") '"& 0@; =9= 0; +79 ;@B>98 0 0-*8 9? 08 899 ?+A 9? 40BC0? ; :+79 C ?+ ; 3837-8#/ +79 C ?+ ? 08B9= 0 *? ? ; : 9 4*8C9 # 08 0 ?9-98* 4*8C9 ? @; +9= ;+0 0; 9 >A +79 8 0-*8 9? *; = ?+A 9? ;)#7-8#/ +7989 *89 + / 0 = ?+ ; 4+ 0-* =9? 08 ?+A 9? ; $"#7-8#/ +7899 ; $'$"/> 7-8#/ 0@8 #8 .'8$/7-8#/ -9 ; %'?/7-8#/ ? 5 ; .3!---8#/ *; A ; @B>98 *>0-9 +9; 79 +7 4 *?? 7+* ;? + / 0 08=98?) 7- 83&.'" #/5 ; / 7 47 +79 C ?+ ? 40BC0?9= 0 0@8 0>9? ? B @ *+ ; :; *F9= ?99=? / 87#3&.'" #/5 ; / 7 47 +79 ?99=? *89 9; 4 0?9= ; *4*C?@ 9 79 H +7 4 *?? ? ?* = +0 >9 &#!#M93&'5 *4408= ; :*? +79 8@ + ? 08 ? ; 0+ +7899 + B9? 0; :98 +7*; >80*= 79 HN+7# HO+7# H +7# +7# H?+# *; = ; = 4 *??9? 7*-9 +79 8 08=98? 0@; =9= 0; +79 ; @B>98 *; = 40; 94+ 0; 0 +79 ?+*B9; ? *; = ?+A 9? D$"#/8)"#/5 .'8$/8)"#/5 M 3!-/8)"#/5 3837-8#/5 .3!---8#/5 38/) '!.%#/5 U4 I 79 HQ+7 4 *?? ? = - =9= #8$3 .3!-7/ #/ 2'M//!'&5 ; / 7 47 * +79 49; +89 0 / 98? 0 Y+79 4*C +@ @B 7*-9 ?+*B9; ? *; = C ?+ ?# *; = +70?9 0 +79 4 84@B 989; 49 7*-9 C ?+ ? *; = *89 98+ 9 .3!-7/ #/ :"9&$"/8'/5 / 7989 +79 0 / 98? 0 +79 4 89@B 989; 49 *89 9B* 9 *; = ?+98 9 .3!-7/ #/ 8'' '&&/"#/5 / 7989 +79 0 / 98? 0 +79 49; +89 *89 B* 9# *; = +70?9 0 +79 4 84@B 989; 49 9B* 9 *; = 98+ 9# U4 79 M8= 4 *?? ? = - =9= #8$3 383'2#39&5)#3'2#39&5 $"#3'2#39& 79 +7 4 *?? ? = - =9= ; +0 '"8&5 +3&&'&5 !72'5 *; = 987#

40BC 9+9 4 *?? 4*+ 0; 0@: 7+ +0 ?*+ ? A +/ 0 40; = + 0; ? +79 8?+ +7*+ 0 9; *> ; :0; 9 R@ 4F A +0 *?498+* ; +79 ; *B 9 : -9; >A >0+*; ?+? +0 *C *; +# *; = +0 ?9C*E 8*+9 + 80B +79 89?+ 0 +79 9:9+*> 9 (; :=0B >A = 989; + * 47*8*4+98?# *? ?* 9; *? C0?? > 9 7 ? 0>D94+ 0@: 7+ +0 >9 @ 9= >A +79 &-&$' 5 / 7 47 ?70@ = >9 *+8@9 * C7*>9+ 4* = 4+ 0; *8A# *4 +*+ ; :89?9*847 * ; = +? = - ? 0; ? 0 8: 7+# +7989 089# +0 >9 9?+*> ?79= 0; $%S B0?+ *CC*89; 47*8*4+98?# 70 / 9-98 > <*889 *; = ? ? B *8 +79A B *A >9 80B +7 ? C0 ; + 0 - 9 / +79 ; ;?9*; 4 *?? 4*+ 0; ? *2 A)A3'9(" / 7 47 / * C987*C? ; 9-98 >9 ?@8C*??9=# ; ?C +9 0 +79 ; 40; -9; 9; 49? 89?@ + ; :80B +79 ; 0+ -98A ; @B980@? = 4@ + 9? +0 >9 0-9840B9 ; *CC A ; : + 1#2%3$3 39& :$'-& *89 ?A?+9B? / 7 47 40; ? ?+ ; C *4 ; :>9 089 +79 ?+@=9; + *? ?98 9? 0 R@9?+ 0; ? / 989 ; +79 470 49 9? >9+ / 99; + / 0 40; +8*= 4+08A C80C0? + 0; ?# ; ?@47 * B *; 98 +7*+# +79 0; 9 >9 ; : :8*; +9=# +79 0+798 B@?+ >9 ; 949??*8 A 89D94+9=

79 ?940; = 40; = + 0; ? +7*+ 0 C *4 ; :9*47 ?C94 9? *; = :9; @? *B0; :?+ +70?9 / +7 / 7 47 + *: 899? ; +79 B0?+ 9??9; + * C0 ; +? 0 89?9B> *; 49) +7 ? 0>D94+ >9 @ 9=# +79 '$%3) >940B9? *? +8@9 ?4 9; 49# +? = - ? 0; ? >9 ; : 0@; =9= 0; +79 B0?+ BC08+*; + 08: *; ?# / +70@+ 89: *8= +0 +79 8 ; @B>98# 08 +0 +79 = 4@ +A 0 0>?98- ; :+79B -&$' 9; *> 9?# @? +0 = ?40-98 +79 ; *B9 0 7* ; = - =@* 80B +? =9?48 C+ 0; '$%3) 9; *> 9? @? +0 *?498+* ; +? C0? + 0; ; +79 " 9: 9+*> 9 (; :=0B' 1 B9+70= ? 79; 49 +79 40BC 9B9; + 0 ?A?+9B

79 /::#8#$'& / 7 47 ?70@ = 08B +79 >*? ? 0 9-98A ; *+@8* B9+70= / 989 8?+ 9?+*> ?79= >A 9 =9 $@?? 9@ 9 089 7 B# + /783!5 0 0; +C9 98# 7*= ; +80=@49= ; +0 3>/58': / #!#'& 0 / 7 47 +79 *88*; : 9B9; + / *? 0@; =9= 0; +79 ?+8@4+@89 0 +79 4* A5 *; = 4080 *# #(#8 7*= C@> ?79= *4 *?? 4*+ 0; >*?9= 0; +79 08B 0 +79 4080 *# 0; +79 ; @B>98 0 +79 ?99=?# 0; +79 08B# 40; ? ?+9; 4A# *; = 49 ? 0 +79 8@ + / -7*= 4 *??9= @C / *8=? 0 $ # ?C94 9?# / 7 47 79 = - =9= *4408= ; :+0 +79 ; @B>98 0 40+A 9=0; ?# +79 ?9C*8*+ 0; 08 *: :89: *+ 0; 0 +79 /98?# +79 C89?9; 49

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08 *>?9;49 0 +79 4080 *# +79 40;? ?+9;4A 0 +79 8@ +# *;= +79 *=79? 0;08 ;0 0 +79 0-*8A / +7 +79 8949C+*4@ *8 +@>9 79 C80> 9B 0 *4 *?? 4*+ 0; >A 8/$9"/! /::#8#$#'& 7*= +7@? >99; 0; : C8OC0@;=9= + /*? ?0 -9= >A =9 $@?? 9@# /70 = ?40-989= +79 :8*;= C8 ;4 C 9 0 +79 "'!/$#('' (/!9'' 3:2%/"/2$'"& ;* 9B0 8 0; /898'9!/''''5 79 9;@;4 *+9= *;= =9-9 0C9= $%'' "'!/$#(' /8) &9,3")#8/$" # .3"$/82'' 3:$%'')#::'"'8$ 3"7/8& 3:/. !/8$ +7 ? /*? 0 0/9= >A 7 ? :89*+ /08F 0; +79 / #!#'& *;= '8'"/ 0 +79 " 9:9+*> 9 (;:=0B *;= +79 4 9*8 C8 ;4 C 9 0 +79 ?@>08= ;*+ 0; 0 47*8*4+98?# / 7 47 7*= :@ =9= 7 B ;7 ? *>0@8?# +7989@C0;+789/ :89*+ :7+ 0; * 0+798 >8*;479? 0 *+@8* ?+08A

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+ B*A# 70/9-98# >9 40;? =989= *? C80-9=# +7*+ +79 B0?+ 40;?+*;+ 47*8*4+98? ?70@ = 8*;F +79 7 :79?+ ;0/ +7 ? 40;?+*;4A 9?C94 * A C89-* ?;+79 89C80=@4+ -9 08:*;?# *;= ;*4408=*;49 / +7 +79 BC08+*;49 0 +79 8 @;4+ 0;?+7989 089 +79 08* 08:*;?7*-9 >99; 8 :7+ A 470?9; +0 :80@C ?C94 9? ;+0 :9;98*# :9;98 ;+0 *B 9? G08 8=98?I# *;= +79?9 ;+0 4 *??9?? 89:* =? 40;?+*;4A 0 47*8*4+98?# +79 89C .0=584+ -9 08:*;?0>?98-9 +79 0 0/;: 08=98) 1+79 ;@B>98 0 40+A 9=0;?# +79 4079? 0; 08 ?9C*8*+ 0; 0 +79 C9+* ?# +79 ;?98+ 0; 0 +79 ?+*B9;?# +79 C89?9;49 08 *>?9;49 0 * >@B9;* ;= +?; *+@89# +79 = 894+ 0; 0 +79 8*= 4 9# +79 *9?+ -*+ 0;# +79 =9:899 0 ?ABB9+8A ;+79 C0?+ 0;# ;;B798# *;= 08B 0 +79 08* /708 ?# U4

;*== + 0; +0 +79 C8949= ;: ?A;0C+ 4* +*> 9?# + ? /9 +0 : -9 +79 ""/87'K '8$ 0 =9 *;=0 9# *? 0 0/9= ;7 ? 2 80=80B@? 0 +79 "9:9+*> 9 (;:=0B'+79 !/&&#:#2/$#38 0 = 80;:; *8+# *4408= ;: +0 /7 47 +79 0+*; 4*

4700 0 +79 $*8= ; =9? *;+9? ; *8 ? ? * *; :9= *; =# ;* A# +79 922'&&#38 3: $%" / #!#'& 9?+*> ?79= >A =9 $@?? 9@# / 7 47 /9 7*-9 *=0C+9= 08 0@8 2 08*' 0 *8=9;? *; = 9 =?#. *; =' / 7 47 /0 ?7* 0 0 / ; +79 C89?9;+ / 08F
b ; +7 ?# +79 ; : ?7 9= + 0;# +79 ?A?+9B 0 %9 *; =0 9 ? 0 0 / 9= 0 / 7 47 7 ?A;0C? ? / >9 : -9; *+ +79 9; = 0 +79 / 08F 5 9" :

:AA: T6 5 6 89 . : J6) : J . CC6

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2 =1067 24- 52/2 7 7*3 -67 : 0*- ,*-0/603 2* 6 . 0 /0501675 0 B + 2 9829!9&
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2* 6 . 0 /0501675 0 '!!/) 388 /
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24/-0 ?0- 61 6 . 0 0*4 : 0/76,2* 2 6 . 0 7--0- F

/ B 0+067; 0- 301/,?03 2 -67 : 0*- 1,-6, 7*3 0?0* 2 2?4 0- : ; /=2 -, : 1 0
. 2 : 2+0*024- 8 ,6 . 246 3,-6,*56 2/+7*- 4-47 = 2/ : 03 2 7 -,*+ 0 ?0-,5 0

B 2 7G,- 2/ 7110*3,54 7/ 2/+7*- 0?,30*6J +/286 . 10/,1 . 0/,5J /01/23456,2* ; = *7903
-12/0- !-2'5 987#5 #2%'8&

B G,- 7*3 7110*3,54 7/ 2/+7*- 0?,30*6J -60 : - +/28,*+ 76 6 . 0 0G6/0 : ,6= 2* = 8 ,6 . 246
6 . 0 733,6,2* 2 /0- . 12/6,2*- 76 6 . 0 ; 7-0 01/23456,2* ; = -12/0- 52?0/03 ; = 7* ,*60+4 : 0*6
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(b b& B 01/23456,?0 2/+7*- 0?,30*6 2/ : 03 2 -67 : 0*- 7*3 2 2?4 0- 8 . ,5 . 7/0
0,6 . 0/ *7903 2/ 0*5 2-03 ,* 7* 2??/= : ; /=2 52 : 124*3 50 4 7/ . 060/2+0*024- 2/ 2/ : 03 2
: 7*= 3,-6,*56 17/6- 3 17/6- 2 6 . 0 ,?,*+ -60 : ,*5/07-,*+ ; = 6 . 0 733,6,2* 2 *08 6,--40-

5 . .) . 9?C6J . % B : ; /=2 8 ,6 . 7 -,*+ 0 526= 032* 60 : 52 : 12-03 2 ,; /2 ?7-54 7/ ; 4*3 0-
-57660/03 6 . /24+ . 6 . 0 : 7- 2 6 . 0 50 4 7/ 6,--40 *26 2/ : ,*+ 7 /0+4 7/ 5,/5 0J 6 . 0 ,?,*+
-60 : *26 ,*5/07-,*+ ; = 3,-6,*56 52*50*6/,5 M2*0- 2 8223 7*3 ; 7/9

A /2?,303 8,6 50 - 7*3 ?0--0 -
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. 0 ,; /2 ?7-54 7/ ; 4*3 0- 7//7*+03 8,6 . 246 2/30/ 6 . 0 =24*+0-6 ,* 6 . 0 50*6/0 2 6 . 0 -60 :
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0/,7*6 , 7 ; -0*6 2/ 324 ; 0 8 ,6. -017 - 2/ 1067 - ;4 : 0* *26 7/,*75024- (&('8" 0
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98 * ; +7 =0@> 9# +79 ; ; 98 08 >0+D 'C9+* F9 >@B 9 ; *8 ; *490@? "3)#922#25 '%989#'2''
5* >@B ; 0@? 1 >@B 9 ; / * ; + ; : "2%#)''25 %94#9!' :
JL). 9?C6J. % B : ; /=2 8 ,6. 682 2112-,60 2/ : 2/0 D7*3 6.0* 8 .2/ 03F 526= 032*- 60 : 8,6.
; /2 ?7-54 7/ ; 4*3 0- 2/ : ,*+ 7 5= ,*30/ 7/24*3 7 50*6/7 1,6. -017/7 ; 0 ,*62 7* ,**0/ 8223=
M2*0 7*3 7* 2460/ ; 7/9 M2*0 7*3 ,*5/07-,*+ ; = 52*50*6/,5 7=0/-
+ B ?4 0- 52*67,*03 ,* 7 5 2-03 2?7/= 7*3 0/6, ,M03 6./24+. 6.> :03,4 : 2 7
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1 9+* ?' @ ; +9=
: ! " %B 67 : 0*- 7*3 52/2 7 ,*-0/603 2* 6.0 07 = ?' ?7/= ,* 0/,2/ / . 9)/2'$'5
&$'"3#)'2'5 38#2'"#8'2'5 3::'#8' D 9%#/2'2)
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-2 6/- B ,-6, 52 : 12-03 2 '7 0-- *4 : ;0/ 2 '57/10 - 6.7* ,.0/0 7/0 -017 -
L " + B 4 : ;0/ 2 -67 : 0*- 0>47 62 6.0 3,?,-,2*- 2 6.0 52/2 7 7*3 760/H
76,+ 8,6. 6.0 : &2!'.#/)'2:5 38(9!29!/('225 /."8 : + 2/5 3! $'$''
: " + B 67 : 0*- 17/6 = 7 ;2/6,?0 24/ 3,3=** : 24- 2/ 682 "'"&39#)2$'
2!/"@#822.5 6'"%'8/222'
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: 28 .7?,*+ 1067 - ,* : 2-6 2 '6.0 +0*0/7 2 '075. 5 7--
7 =G 4-47 = 10/-,-60*6 7 60/ 280/,*+
- " + B 67 : 0*- 4-47 = ,*30 ,*,60 ,* *4 : ;0/ 9 #:2"/5 +/F9222''
. # " + + B 67 : 0*- 4-47 = 30 ,*,60 ,* *4 : ;0/ "3:38#82/5 9!#%%/F'$d5
'"2 #/2'2'5 '"''%#8$%/2'2'5 !#'&.'"#)2<5 #&2")# /5 2)9&$"###'$')3!/2'$''
7 =G 7 ,*+ 34/,*+ 2/ 7 60/ 280/,*+
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;4 : 0* 6.,59 0-.= 2/ .2/*= / ./ "/''$'5 '", '"#)'2.5 +/# 83!#922/5 /8<#>
29!/2'''
;4 : 0* 324 ; 0 6.0 2460/ 7/,*75024- ", + 5
(O B 080 *' * / *D?' *>?9 ; +' #.'"/''2'5 4"$F#2.5 9!-738'/
: ! "$ %87=+* B 9 ; ?' * ; =' C9+* ?' ; ?98+9 =' 0 ; ' +79' 4* A5
)-* " + B : ; /=2 ; 0*6 7/24*3 7 7/,*75024- 7 ;4 : 0* 5 +"" &
" + U : ; /=2 -6/7,+.6 ,* 6.0 7G,- 2 '7 0-.= 2/ .2/*= 7 ;4 : 0* &(
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8 8 ," 8 3 >(,
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_ G$ % % % ! =? 8 186: : -2/)' 5 ,#'$#8'2'5 9."'&&#8'2'5 /?# WA5 8'$/2''' , 7 = / 186@ 1

H < % 2 D *52 : 1 060 280/-.6.76,N62-7Z? 8,6.2*02/*2 10/,7*6.F /&$ "#8')5 +-#>#2'2. 54 '$?)#8'2'5 9.9!#:'"2'5 9-!/8)'2'5 /!#)8'2'5 /$&/ #:'"$'5 !/$/8'/5 +3"'2'5 '$##)')5 $!>5 8#/2''&5 "$#2'2'5 /88/%#8'2'5 -832"/8#%'2'5 '"/$3.%-!!'2'5 /9"<"'&'

D 12/0-5 9;4 0?9=5,*5+7 95 B 0++98 49 #8 ,5 10/-,-6-5 !;=98 +F95;*B 95 0 $%'2/ !72'5 %/"/2'2&-5 987#5 #2%'8&

1 26/-, 7@5 D 280/-8,6.7324; 0 10/,7*6.F5 ?4 0-5 T 7G, 0 9.%3#>,#/'''5 .'$"/2')

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D 12/0-5;052 : 0 5;=5 6.0 7;-2/16,2*5 2 6.0 : 26.0/5 50 ,J00 ,*5 7 52 : : 2*5 57?,6=F5 A/$#2''5 +3&&'&

I 4 % G *8*? +9?5 0;5 +795 800+?5 0 0+7985 C *;+?I5 /!/83.%3"''5 -$#8')

-23.3)#/2''5 &3'$2'5 M9#&'$/2'2'5 '"8&5 A/F#8#>5 /2'2'5 +/"&#!'/2'''

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4 % 9 D : ;/=25 7**4 7/F5 3!-738')5 %-$3!/22')5 -2$/7#8')5 /"/8$/2'''5 %'83>5 .3)#/2'2'5 '$"/7 #/'')

- 5 % D 0/,7*6.5 7;-0*65 /01 7503 ;=5 ;/756-F5 "/ #8'/5 -.'"/2'2'5

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= (4 % D 280/-5;7 ?C*= 5I5 ' 8/2'2'5 " #)'W 5 -.%/2'/5 /! /2''&

G5 5 3"$?#!/2')5 /"38-2%#'''5 #!'8'2'A !&#8')5 !/$#8'2'

5 % D 73,5 0 7*6,1237 +0 6.0 .,4:F5 "#32/9!38' 5 3 '!-8'2'

+-.37-839&

- ! ! !5 D 73,5 0 75,*+5 6.0.,4:F

: - 5 % D 750*676,2*5 17/,067 F5 #>/8>5 410/2?7/,7*5 D ?7/=5 /00F5 982'/5 38$'>5 F'8#/2')5 / >#&2#8')5 6#3!/"#')5 #&$#8')5)'"#/2'2'5 .%-!!)%'''5 #!#/2'2'5 &./"/7#>5 '&')/2')5 /../"#)')5 "92#:'")5 <?8/"#/'')5 R#W5 +'!/8$%/2'>2' /./('"/2')5 /#4"/2'8#')5 1"3&'"/2')5 /">5 8/&&#')

* 0/2?7/,7*5 D ?7/=5 73.0/0*6F5 #3&23"'2'5 "#)'2'5 /#4-!!#)'2'5 -.3?#)'2'5 ' />5)3"/2''5 "3 '!#/''2'5 +9&/2' 5 /88')

%J% G B>8A0 9;-9 0C9=5 ;5 #+795 9B>8A0;4 5?*4# / 7 475 ?5 +7 4F9;9=5 ;+05 *;5 *5 >@B9;I5 - .%2'/2')5 '!9 %#')

4 % G B>8A0@;= - =9=I5 "2%#)'/

50?C 08?' G *09;+*+ 0;' *5 9I' 1# '8#/2'$&5
H /783!#/''2'5 838/2''&5 2%F/8)"'2'5 '",'"#>'
)'$:' /")#J/%/!'''5 +'8#&.'" /2'2'5 3$#/"#'2'5
/8$%3?-!''5 #3/ '2'5 9$/2'2&5 [-73.%-!!'/#'
?/!#)'$&5 #8'/'5 # 8/8$%'2'5 "3. 3!' 5 />'
89829!/2'2'5 /!// #8'2 5 '"/8#/2'''5 +/! 222'5
$'#429!#/2'2'5 -$$8'"#/2'"'5 #!#/2'''5 / 2!!#>'
/2'2'5 -.'"#2#8'2'5 3!-7/!''5 /.#8)/''''5 #.>'
.32//$/8'2'5 2'"#8''5 +/!.#7%#/2'2'5 H '!#/2'2'5
'&.'"#)'2'5

'"#7-839&

5 $ +8?' $ (% G 99=?' *5 9# / +7E
0@+' * >@B9;I' '"'%#8$%/2'$&5 /.#!#38/2' 5
/&/!.#8'2'5 +# 3&''5 -)/!' 5 .#"'/222 5
"-/)'2'5 /87$##&3"%2'5 3&/2'2'5 8/2'''5 /!->'
2/8$%'2'5 "/8/$'2'5 +-"$/2'/#5 -$ #"'/"#' 5 H '>'
!/&$3 /2'2'5 #..9"#)'2'5 /!!#$"#2%#8'2'5 "8.'2'5
/!3"/7' 5 8/7"/"#'2'

: 4(5%' 3//'2 5 /&&#:!3"/#5 #%'/#'2'5
/'$/2' 5 +'/' ,"-/8$%'2'

4 $ ' $ (% D 003-'7G,0'1/2?,303'
8,6.'7;4:0*F' "/&/#)/2' 5 "/823/'''" 5 /?#K
:"/7'&5 -)"/87'&5 9838#/2'&5 &2/!!38#'&5
"'?#/2'&5 %#!/)'!.%#'/5 / 88#'!#)'&5 3 '&5
/84"-/2'&5 988'"/2'2'5 "/!#/2'&5 ,'!!:'"2'

'"#>%-.37-839&

G ;?98+ 0;' C98 :A;0@?' 08' 7AC0:A;0@?# 0 +9;'
*B>:@0@?I
%/ 8'&5 .')'&5)//$"#8'27'5 $/.%-!'/2'&5
)$3/.3"'/

[' /
= 7 - %

D 067 -' /00',*' -2:0F

"#2/2'2'5 %3)3"/2'&5 6/22#8'&5 #/.'8&#'&5 ./>'
2"#)'&5 -"3!/2'2'5 H 383$"3.'&5 $-"/2'/5 /&K
#8'&5 !'#8'&5 !#3#8'&5 ,'8/2'&5 +-"&# /5 Ä
"# 9%$22&5 %# ,/7#8'&5 !/8$/-#82&

-7 - %

D 2/2 7' 7 87=-' 5 07/ =' :2*21067 24-' 7*3
-6*:*,0/24-F

!-.37-8 #&

$. ' D 67:0*-' %' 3,--,:,7/' 2f H =' 7;2/6,2*F' 6$"#29!/"#'&5 !3,#)/"#'&5 '!/7# /5
:-(.("#82&5 $#!,#8'&5 6'",'882'&5 /,#/$2'5
2/8$!#/2'&5 '&/ '&5 #7838#/2'&5 -"$)8#>'
2'&5 '&8'"#/2'&5 "3%/82%'&5 '"&3 $&

- 4-' D 67:0*-',:,7/',*'*4:;0f0>47'62
6.0'3,?,-,2*-'2'6.0'52/2 7F' 3!/8'&5 '&$"## 5
*9!/8'&5 3""/7#8'&5 9")#/22&5 -)"3.%-!F&5
!-)"3!'92'&5 3!' 38#/2'&5 #2%38)"'&5 9&>'
'8$&5 98(3%49!/2'&5 '8##/8'&5 &2%.#/#'/5
.32-82&5 '&:38$/#82&5 37/8#/2'&

'"#7-839&

9%#/''&5 /."#:3!#/2'&5 6/!'"#/ &5 #.&/2'"'5
/ ./)/2'&5 3,'!#/2'&5 33)'###/2'& "#>'
838#/2'&5 $-!#)#'&5 3 .3/#$&

'A ' @,7A7 A3, 6!

. - - 4K& 9&&#'9 O 6+3 2 ; +' L' $4 - 5 4 /"$%87

.' .3!-&' -/!/9&' ' .3!-. '$/!39&5 :#-.W:7-839&5 "'79!/'" 3"#""'79!/"5 # A' %"#2/$'5 &3 '$# '& ' 89 '"39&' $ ' /)8/$' ' 9&9/!!-')#&K $#82$' 0 ' /8' /'%'8" 3":3!!#2!'5 "/"'!-' W& 2/.&9!" 3" %'""-' ' ! ' '"'2$5 .'8)9!39&5 3" %3"#J38$/!5 " ! ;%)#23$-!')3839&5 #89$'5 /$> $%" $/&'' 3:' /' 9&9/!!-' %3 -' /!,9 '8

! 4 /7/0 =' ! ' G 2'38#/:A39$/8 5 2/' X8223=' 5 , : ;0/-' G !' /$#& ' 6 "$<" ' /73,57' 2/' 7 60/*760' /7/0 =' 112-,60 G !' /$#& 5 -, : 1 0 2/' 52 : 124*3' 106,2 0 2 60*' 3, 7603' 7 : 30G,574 ' 2/' /7/0 =' 4/*,-.03' 8,6.' -6,14 , 2/ :' 7110*37+0-' G !#/!#2$"9 5 /89829!9& ' 0 8 ' 4-47 =' 60//*,*7 ' -2 ,67/=' /750 : 03' 2/' 17*,5 03' 4-47 =' /0+4 7/' -2 : 06, : 0-' ,//0+4 7/' G1'!.%#8#9 5 238#$9 5 + ' 2/' /7/0 =' 3,205,24-' ;=' -41H 1/0--,2*' G !' /$#& ' ' (B 22' 4-47 =' E' /00' /7/0 =' 10/-,-60*6 G '!!',3"9&5 2'38#/ 5 2 60*' 1067 2,3' 4-47 =' , : ;/,5760' /7/0 =' ?7 ?760' G !' /$#& ' 2 ' 0>47' 7*3' 7 60/*760' 8,6.'6.0 -017 -' 2/' : 2/0 G #2/"#/5 ?-7"/.%#&5 "5F' .=12+=*24-' /00' 5 7803' , : ;/,5760' 305,3424-' 0>47' 2/' 4*0>47 ' 7/,24-',*' 2/ :' 2 60*' $' - ' 4-47 =' : 7*=' : 7*= -0/,760' .=12+=*24-'E :#!/ '8$&' , , 2/ :' /00E /8$%'"& 60/ : ,*7 T 50 03' 50 -' 73*760' 0G6/2/-0 2/' 760/7 ' ' 08' 2/' : 7*=' /7/0 =' -2 ,67/=' G 2$2') 5 :"' '5 /7/0 =' 52.0/0*6 D #7'!!/ ' %& &$-!'' -, : 1 0J &$#7 /' 2*' 6.0 ,**0/' -4/ 750 2 ' 6.0 621' 2 '6.0 -6= 0' 2/' -0--, 0J 3(9!'& 7*76/2124-' -2 : 06, : 0-' 2 ,67/=' 7-50*3,*+' 8,6.' 7 ?0*6/7' /71.0' 2/' 10*34 24-' 8,6.' 7 32/-7' /71.0' -2 : 06, : 0-' *4 : 0/24-' 76675.03' 62 6.0 ?0*6/7' -464/0' T -0/,760 7*3' .2/,M2*67 ' 0 ' 2 ' 12,*603' 2/' 076.0/=' 75.0*0-' 2/' 2 ' 2 ,5 0-' 8 .,5.' 7/0 /7/0 =' 4*,603' ,*62' 7 571-4 0 G #7'!!/ 5 2/' 2:' 08 ' -00303' ;0//,0-' G 2$2'/ ' ' 0/056' 10*34 24-' 2/' .2/,M2*67 J $'&$/' 52/,75024-' ,*' 6.0 75.0*0-' 7*3' /71.0 ,66 0 1/2 : ,*0*6J $'&$/' 5/4-675024-' 7*3' 0-.= 4*+2,3' ,*' 6.0 2 ,5 0-' 8,6.'6.0 /71.0 ?0/=' 1/2 : ,*0*6 7*3' 7 : 2-6 57/4*54 760' " - ! ' : ,*460 76 6.0 ;7-0 2'7 .2/*=' 2/' /7/0 =' 0-.=' 7 ;4 : 0*' G 2'38#/ 5

&9 7*-9 @?+8*+9=' +79 *B A 0' $/89829!/2' ' ;' : 89*+98 =9+* ' +7*;' +79 0+798?# ;' 40BB9B08*+ 0;' 0' +79 ;9 /08F 0' ' ' =9 $@?? 9@# 89*=' >9 089 +79 4*=9B 9 =9?' 4 9;49?# ;' HCCM# / 7 47 B*A' >9 89 : *8=9=' *? +79 =*+9 0' +79 > 8+7 0' +79 /$9"/!' -&$' ' ' =9 $@?? 9@# +79 @;4 9 0' ;+0 ;9 *@89;+# 7*=' 0;:' ?+@= 9=' +79 89 *+ 0;?7 C? 95 ?+ ;:' >9+ / 99;' +79 = 989;+' *8:9 :80@C? 0' +79 "9:9+*> 9 (;:=0B' >@+' 79 =' ;0+' *++9BC+' +0 9?+ B*+9 +79 89 *+ -9 -* @9 0' +79 47*8*4+98? +79A' C89?9;+9=# 40;+9;+ ;:' 7 B?9 ' / +7 *88*;: ;:' ;' *4408=*;49 / +7 7 ?' - 9 /? +79 0 /98 >9=? 0' +79 :*8=9;' 0' +79 8 *;0;# / 7 47 79 08B9=' 08 +79 ;?+8@4+ 0;' 0' 0@ ?' 3 " ' 7 8A' A9*8? *+98# 7*- ;:' >940B9 0=' *;=' ; 8B# 7 ?' ;9C79 /#' ;+0 ;9# *@89;+# / *? 47*8:9=' / +7 +79 40BC 9+ 0;' 0' +7 ?' :*8=9;# *;=' B*=9 *' ?C94 *' ?+@=A' 0' /898'(!/2'' '5 / 7 47 *+ 0;49 89-9* 9=+0 7 B' +79 ?4 9;+ 4 >*? ?' 0' 7 ?' @;4 9.? 4 *?? 4*+ 0;' 9 40@ =' ;0+ 7*-9 470?9;' * B089 ;?+8@4+ -9 *B A ;' *' C7 0?0C7 4*' C0 ;+' 0' - 9 /# >94*@?9 0' +79 ;@B980@? *;0B* 9? +

1/0-0*6-, ,*6 ,0 2/ :7*3 -6/4564/0 2 6.0 57 =G7*3 52/2 7 2 -45. 5*0/7 7-

!" ## $ " "#"

10?0/6.0 ---7.7+/00 ,*6.0 -017/76,2* 2 6.0,/ -017 -7*3 ,567 -6.0 ,*-0/6,2* 2 6.0,/ *4 : 0/24- -67 : 0*-6.0 3,/056,2* 2 6.0,/ 7*6.0/-6.0 2/ : 2 6.0,/ 2?7/,0-7*3 0-F05,,, =,* 6 ,0 -6/4564/0 2 6.0,/ -003 J 7 2 8.,5. *2 324;6 03 62 *62,*0 74/0*6C- 3,-52?0/= 2 6.0 +/7*3 1/,*5,1 0 2 6.0 # #" (/2 :6.0-0 .0 87- 76 2*50 7; 0 62 /07-2* 246 7*3 62 2/ : 4 760 6.0 1/0+*7*6 7G,2 :8.,5. .,- 4*5 0 .73 2/0-.732803 @6.76 ,6 ,- *26 ;= 6.0 *4 : ;0/ 2 5.7/7560/- ;46 ;= 6.0,/ ?7 40 7*3 , :1D /67450 6.76 6.0 ,/2; 2*, 2 6.0)

* -2 ?03 *, .,- 1710/ 2* # "# .0 0*4 :0, 7603 7*3 30?0 2,43 6.2-0 ?,08- 2 6.0 /0 76,?0 7*3 -4;2/3,*760 , :12/67*50 2 6.0 2/+7*- 2 F 7*6- 8.,5. 26.0/ ;267*,-6- ,**004- ,*5 4303 .73 7, 03 62 10/50,?0 J 62+06.0/ 8,6. 6.2-0 1/,*5,SF 5- 2 7 *764/7 57--, , 576,2* 8.,5. 305,303 6.0 5730 := 2 5,0*50- 62 0 056 .,:7 :0 :;0/ 1 *62,*0 74/0*6# Xd-7=- .,- -24 ,*6.0 z ,56,2**7,/0 *,?0/-0 0 3# ,-62,/0 76*/5 2 : D7/6 %5$ $ - +& I -411 0H : 0*603 6.,- 3,-52?0/= ,*6.0 2 28,*+ =07/ D ''%F ;= 7 -052*3 1710/ ,* 8.,5. .0 0360*303 .,- 0G7 :,*76,2* 2 7 -,*+ 0 7 :, = 62 7 26.0/- 6 .0*50 .0576*5 *050--7,= 62 /052*-6/456 6.0 d 52 0 267*,>40 c 2 6.0 ,*+#5 7/30*8.,5. 87- /71,3 = ,*5/07-,*+ 4*30/ 6.0 1280/4 ,* 40*50 2 * 2* J 7*3 8.0/0 6.0 :06.23 2 24/*0 2/6 .,6.0/62 7321603 *2 2*+0/ 9016 1750 8,6. 6.0 1/2+/0--7*3 87*6- 2 -5,0*50 2/ 524 3 6.0 -=-60 :2 ,*,, C - 6.24+. ,6 1/0?7, 03 7 :2-6 6.* "4+.246 6.0 /0-6 2 4/2 /0 ;0 75501603 ,* 6.0 7/,- +7/30*8.,5. 87- 52*6/2 03 ;= * ,;* 4*30/ 6.0 3,/0562/-.,1 2 0/*7/3 30 !4--,04 .0 7660/ 8 \- *28 23 7*3 *07/ = ; ,*3 7*3 7- .0 3,3 *26 ,*-,-6 2* .,- *01.08#- 2 28,*+ .,- 28* 7//7*+0 :0*6 2 6.0 /,7*2* +7/30* ,6 824 3 71107/ 6.76 .0 87- *26 .,:-0 4 = -7,-6,43 8,6. ,6 # *62,*0 74/0*6 .0/0412* 7321603 6.0 *08 5 7--,576,2* 8.,5. .0 .73 1,212-03 ,* ''%62 6.0 5730 := 7*3 6.4- ;057 :0 7- .,- -2* 0G1/0--03 ,6 ;26. 6.0 78+,?0/ 7*3 73 :,*,-6/762/ 2 6.0 78B # + #

/2 :6.,- ,:0 :2/7; 0 0125. 3760- 6.0 52 :0*50 :0*6 2 !4--,04#- 1/017/76,2*- 2/ .,- +/076 82/9 2* 6.0 7 :, ,0- 7*3 0*0/7 2 6.0 0+067; 0 ,*+32 : 412* 8.,5. .0 82/903 4*507-,*+ = 7*3 -,*+0 .7*303 2/ ,600* =07/- 7*7 =-,*+ 7 6.0 +0*0/7 ,*?0-6,+76,*+ 6.0 +0/ :,*76,2* 2 6.0,/ -003-7*3 ,*7 = 0 :;23=,*+ .,- :760,4#7 - ,* 6.0 0*0/7 7*67/4 :# 8.,5. 87- 14; ,-.03 ,* '&Y *6.0 *6/23456,2* 30 !4--,04 0*4*5,760- 6.0 45,3 1/,*5,1 0- 8.,5. +4,303 ,6* 7*3 , 4-6/760- 6.0,/ 711 ,576,2* J 8., -6 ,* .,- 52 2/3,*76,2* 2 6.0 7 :, ,0- 7*3 +0*0/7 .0 -411 0 :0*6- ;= 1/2 2 4*3 = 43,5,24- *260- 6.0 7/6, ,5,7 5.7/7560/ ,*.0/0*6 ,* 0?0/= ,*07/ -0/,0- 0 4/6.0/ ,*3,5760- 6.0 :7*, 2 3 /0 76,2*-.,1- 6.76 0G,-6 ;06800* 6.0 ?7/,24- +/241- 2 6.0 0+067; 0 ,*+32 : J 7*3 6.0 ?0/= 324;6- 8.,5. .0 0G /0--0- ;06/7= 6.76 ,*0 ,*-6,*56 2/ 7 *,6,0- 8,6. 8.,5. .0 87- +,603

5,0*50 .7- 73?7*503 -,*50 '&Y J *08 6=10- .7?0 ;00* 73303 62 6.0 " '3 (" 8,6.246 3,-64/;,*+ 7*= 2 6.0 5.7/7560/- 7--,+*03 62 ,6 ;= !4--,04 .0 :2-6 /050*6 82/9 2* 6.0 -4; 056 ,- 6.0 0*0/7 7*67/4 :# 2 6.0 0 :,*0*6 ;267*,-6- 0*6.7 7*3 2290/ , J /2 :8.,5. 80 -.7 ;2//28 6.0 30-5/,16,2* 2 7 6.0 9*28* +0*0/7 2 $/898/)/2'#'

8 >9 +& 1 1 9C* ? -* -*+9# C9+* 0 = 9+* ? # 08 ;*880/ # *+# ?708+98 +7*;+79 ?9C* ? *;= ?+*B ;0 = *8C9 ? H 0-@ 9= E 0-@ 9 C9;=@ 0@?# 8*C79

.0 1/05,24- :7*4-5/,16 8.,5. ,- 8.2 = ,* 6.0 746.2/#- .7*3-?#/,6,*+ 7*3 8.,5. 30-5/,;0- 6.0 7/ /7*+0 40*6 2 6.,- +7/30*-6, 0G,-6- 6 ,- .07303 ;= 7* 2;-0/?76,2* 2 ,6- 1/0?,24- 12--0--2/ *3/0 .24,* /2 0--2/ 2 2/6,54 64/0 ,* 6.0 2=7 7/30* 62 6.0 0 056 6.76 6.,- 5767 2+40 87 6.0 ,/-6 3/78* 41 ,* 7/,- ,* 8.,5. ;26. 6.0 ;,*7/e# *2:0*5 764/0 2)],**-04- 7*3 6.0 *764/7 7:, ,0- 0-67;,-.03 ;= !4--,04 7/0 7321603 .24,* 733- 6.76 6.0 7=,*+ 246 2 6.0 267*,5 7/30* 87- ;0+4* ,* 6.0 7464:* 2 ''(7*3 87- 52:1 0603 ,* 6.0 2 28,*+ -1/,*+ 6.76 ,-7 34/,*+ 6.0 ?7576,2* -2 7- *26 62 ,*60/ 0/0 8,6. 6.0 267*,57 524/-0

=08?* ' 479;9?' ;@B980@?# 0 +9;' C @B0?9 1 +9B' 798>*490@?' 08' /00=A# 4 B> ;:' 9*-9?' 0CC0? +9 ' 0/98?' 4AB0?9# ?0B9+ B9?' = 094 0@?

' P 0:76,- B 067 -'$'2/'/01/0-0*603';='6;0'2460/'-67:0*-';05-2:,*+'1067 2,3' 7/10-' *4:0/24-' 5.0*0-'571,6760'-0--,0'2/'-4; -6,1,6760'6,1103';='6.0'10/-,-60*6'*7903'2/';07/303' 2/'076.0/='-6=0 B 60:'O223='5,:;,*+'2/'-4; 8223='2/'.0/;75024-' 07?0-'-0?0/7 ' D/7/0 = F' 2,2 760' 106,2 0' 2 60*' 68,*,*+';46'*26';052:,*+'7'60*3/, ' 280/-'-2,67/='2/'1 6*,2 03 ' 2 60*' 12 =+7:2 3,205,24-') # ' ! #*

056,2*' ' / 0N* U 7 *?2 45/0' # 067 -' # 5.0*0-'& +7' 7' 076.0/='67,

056,2*' ' *?2 45/0'$' 067 -'$' 5.0*0-'8,6.'7'-.2/6'67, ' *26' 076.0/=

056,2*' ' #'#"3.&#& B *?2 45/0' 57 =5, 2/:' 2 ' T' 2 **760' ./756-' -,647603' 4*30/' 6.0' 280/' 067 -'$' 5.0*0-'8,6.'7' 076.0/='67,

056,2*' ' $"/7'8' B *?2 45/0'$' 460/', 7:0*6-'3, 7603' 7*3' 17--,*+',*62'1067 2,3' -67:,*230-' 5.0*0-'8,6.' 076.0/='67, -

T' 7/7?0,7 B 067 -',*07/'2/'5 7?76 '>4,60' 3,-6,*56' /2:'6.0'-67:0*-' 7/10-' 4:0' /2*-' 5.0*0-'-6,1,6760' *' 7'6.,59'.2 28' /0501675 0'60/:,*7`03';='6.0'10/-,-60*6';07/303' -6=0 B 60:' 8223='5,:;,*+' 07?0-' T 2,2 760' 106,2 0' 5,//;,2/:' 280/-' 17*,5 03' ! #

8 >9' ' # 4 & 6 1 9C* ?' B>8 4*+9# @?@* A' C9+* 0 =# ?0B9+ B9?' ?C@889=' G+-3&9"9& ' 080 *' # 08' C9+* ?' C *;9# 4 */';0+';94+*8 980@?' G)38#&' 08

" 46 909'4;+'-98+ 4* A' GB*:I

" ' 47 @9'G@ *:I

" 0/98 0/98'4@+' 98+ 4* A' GB*:I " ?+ ' GB*:I

HO H' ! H$ O

;94+*8 980@?' +-3&9"9& ' *8C9 ?' 0-@ 9='' 0-@ 9' C9;=@ 0@?# 8*C79 =08?* ' 4 9;9?' =8A# 8*89 A' 9? A' B*83#9!$38#/I 1 +9B' 98 *900@?# 9894+' 9*-9? * '8*= 4* # 0 '+79' 4*@ ;9' * +98;*+9 ' 0/98?' 0 +9;' ;-0 ;48*+9

M' , 7* 4+8@B 1 ;-0 @489' ' 9C* ?' N# C0+* 0 =' 9+* ?' ' *8C9 ?' B089 08 9?? ;@B980@?# 0;' *' ;*880/' 8949C+*4 9' ' ?+A 9' ?708+# =94 =@0@?# 08' ' 4 9;9?' 0 +9;' ?+C+*+9' 8 >>9=# ;98-9=# 08' / ;:9= 1 98>?' / +7' C989;; *' 800+?+04F' 0*-9?' 2 MC B*+?94+' # 0/98?' 0 +9;' C0A:*B0@?# C*;4 9=' 08' 8*49B0?9# =@ ' :899;# A9 0/# C@8C 9# 08' /7+?7# ;?;* A'?B* ' 9"3E.'5 &#/5 '"#2/

' , ;9 ;9 1 ;-0 @489'@?@* A'=?+*;+' 80B'+79' 0/98# 0 '+7899' / 08 9=' 9* 9+?' 9C*? C0+* 0 =# ' 9+* ?' # 08' 89C89?9;+9=' >A'+79' 0@+98' ?+*B9;?' 47*;:9=' ;+0' ?+C+*+9' :*;=?' *8C9?' ;@B980@?' 079;9?' ;'*' 79*=# +98B ;*+9=' 7A'+79' C98? ?+9;+' ;*F9=' 08' >9*8=9=' ?+A9' 1 4*C :980@?' 798>?' / +7' C989;; *' 800+?+04F' 9*-9?' 8*= 4* # 0>9=# 08' =??94+9=' 0/98? L8*89 A'A9 0/ ?7' +*B9;?' ?708+98' +7*;'+79' ?9C* ?' #"/>:"#M##2$)' "'7#38&

056,2*' ' 8%/$#!!/ B 460/' -67:0*-' 8,6.246' 7*6.0/-' + 7*3 ,90' 2.0*0-' 60/:,*7603' ;=' 7 ;07/303' 076.0/=' 67, ' f

056,2*' ' 8' 38' B 67:0*-' 7 ' 0/6,0' 0.0*0-' 60/:,*7603' ;=' 7' -.2/6' 12,*6' *26' 076.0/=

056,2*'! ' !'./$#2/ B *?2 45/0' 5 2-0' 62' 6.0' 280/' 7*3' -,:4 76,*+' 7' 57 =G' 5 ,0*0-' 60/:,*7603 ;=# 7' -.2/6' -6= 0' *26' ;07/303

N' (;0/ +0;* 1 9C* ?' N# 798>*490@?# =94 =@0@?' 9+* ?' N # / + 0@+' *' ;94+*8 980@? 70 0/' *80K9?' ;@B980@?' 979;9?' 4*C*+*+9# 9?7A' 08' C@ CA' ?+A 9' =94 =@0@? 1 98>? / +7' C989;; *' 800+?+04F# *;=' +79' 7*> +# 0 ' ,/!!#:'"/' *= 4*' 9*-9?' ?+ ' +98;*+9 A' =940B

+ !=/98' 4@+' -98+ 4* A'
'GB*:I

< " (' %*:.*B

8C9'9;+ 89';=' 4@+'
-98+ 4* A'GB*:I

H' ! ! 6 HO`

C0@;=# 4*; ;9 ?B* ' 08 >8*4+ F9# 08 ' 0 / 98?' :899; ?7 8 A9 0 / ?7# C9=@;4 9?' 0 +9;'
889:@ *8 A'@B>7 *+9' 3<% :"#2/
N' ,' =0; ? 1 9C* ?' # 40 0@89=# =94 =@0@?' 9+* ?' HN# 0 +9;' ?C0++9=' *+' >*?9# >@+' / +7'
;0 ;94+*8 980@?' 70 0 / ' *8C9 ?' ;@B980@?' 479;9?' ;' *' 79*=' 8 ?C F9' ?+A 9 ?708+# C98E
? ?+9;+# ?+8* :7+' 08 700F9= 1 ;;@*' 08 C989;; *' 798>?' 9*-9?' C ;;*+ C*8+ +9# B@ + =#
?9:B9;+?' ;*880 / ' 0 / 98?' ?0 +*8A# A9 0 /' 08 89=' ! 9"3.'5 &#/
5 R' 7 ,7*6.0,,: : 1 9C* ?' N# 798>*490@?# =94 =@0@?' 9+* ?' HN# / +7' *' >*?*' ;94+*8 ,
980@?' C +' *8C9 ?' ;@B980@?' 479;9?' 4*C +*+9" ?+A 9 ?708+# C98? ?+9;+' C ;9# 28

, '8(A 6 ' , '8(" A '
'!+ # '' : 2 * * +"' 2'

, '8(A A" ' *:8*B# , '8(""
67:0*D:7+F

'8(" '
0 / 98 4@+' -98+ 4* A'GB*: I

' 6 5 '
' 7/10' -76,/0 7*3
546 ?0/6,57 =D:7+F

'A 5 '
' /4,6 7*3 *?2 45/0
D:7+F

O+ '0 3 '
, '8(" "" B

3 ' '*+ '/ * -'!" # '

'8 A A '
C9' *4 9;9 4@+' -98+ 4* A

HON H‘ ! ! A

,&
? ‘ ǴB*: I‘ 4$ 9;9‘ 9 ; + 89‘ *);=‘ 4@>‘ -98+ 4* A‘ TB*:O,‘ 0 ; ; :‘ 4*8C9‘ ǴB*: I

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5 ! % %
0@ ; :‘ 4*8C9‘ ǴB*: I

(‘
479;9‘ 4@+‘
-98+ 4* A‘ ǴB*: I

(-(((‘
0 / 98‘ 4@+‘ -98+ 4* A‘ ǴB*: I +*B 9 ;# 0@+98‘ *49‘ ǴB*: I ! % ‘ 0 / 98‘ ǴB*: I

79 8>7 ' 8OO+?+04F C989 ; ; * $ *=D4* $ 9*-97 =940BCO@ ; =' 4*@ ;9 9 / $ 08 $ 0 / 987 / 7 +9 $ 9"3. '5 &#/

$ A0?@8@? 1 9C* 7 N G8*89 A$ N OI# C8O 0 ; : 9=$;+O* $?C@8 >9 0 / $ +79 8 ;?98+ 0 ; $ 9+* 7 *7 B*;A$ *7 +79$?9C* ?# ;*88O / # ?C*+7@ *+9 ' 4 * / $ 08B# +@>@ *8# ;94+*8 98O@7 *+$ +79$ +0C $ *8C9 7 ;@B98O@? $ 479;97 B ;@+9# ;$ *$ 0 ; :$?C F9# *+98* A$ *++*479=' ?+A 9$?7O8+# C98E ? ?+9;+ 1 ; ;@* # ?B* $ 798>? $ 9*-97 9 ;+ 89# * $ 8*= 4* $ 4*C97 H 0 / 989=# ; *F9= $ 0 / 987 B ;@+9$ 9"3. '5 &#/5 :"#2/5 9&$"'/!#/5 '< ['/!/8)

8 >9$ $ (- - 5&$ 1 9C* 7 B>8 4*+9 $ 9+* 7 $ / +7$ *$;94+*8 98O@7 4 * / # 8*89 A$ $ D "'/9$('$$'"#/ $ *8C9 7 H 0-@ 9=' 0-@ 9 *?49 ; = ; :# 8*C79$ -9 ;+8* $ 479;97 =8A 1 98>? $ 9*-97 8*= 4* $ 08$ * +98 ; *+9

@ (("' ' H * ' * '0 3 '!" #'

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0 / 98 4@ - 98+ 4* A GB*: I, 0@; : 4*8C9 GB*: I

5 "(
4 9;9
4@ - 98+ 4* A GB*: I

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5 "(
99= GB*: I

4 4 4
8C9 GB: I 9+* ; ; 98 *49 GB*: I +*B9;GB*: I 4 %*: *B

Y /746?0660/,7 B 017 - (PE=52*57?0 067 - $ 7/10 - *4 : 0/24- 2.0*0- 571,6760 : 0 : ; /7*24-J -6= 0 ?0/= - .2/6 : ; /=2 /76.0/ 7/+0 B 0/ ; - 8,6. 10/0**,7 /226-6259 07?0- 17 : 76, 2 ; 03 07* ,*0 08 280/- ,* 7 52/= : ; 2-0 17*,5 0) " - !

$ P 7*4*54 4- B 017 - (E 5734524- 067 - 7- : 7*= 2/ : 2/0 *4 : 0/24- 8,6. 7 ; 7-7 *0567/, 0/24- 1,6 2/ -57 0 7/10 - *4 : 0/24- 2.0*0- ,* 7 .073 2/ -1,90 ;07903 ;= 6.0 -.2/6 -6= 0 B **47 2/ 2 60*0/ 10/0**,7 .0/ ; - 07?0- 0*6,/0 2/ 546 280/- 8.,60 =0 28 2/ /03 -2 ,67/= 2/ 17*,5 03 # ! # B .0 7>476,5 -105,0- .7?0 ;00* : 730 ,*62 7 -017/760 +0*4- .$ " / ; = -0?0/7 : 230/* ; 267*,-6- 2* 75524*6 2 6.0,/ 6/7*-?0/-0 = 8/,*9 03 75;0*0- 7*3 .7;,676 0 .7- ;00* -017/7603 /2 : .7?,*+ 6./00 -017 - < Y 1067 - 7*3 2;64-0 57/10 -J 7*3 ! #" ; 0574-0 6.0 ;7-0 2 6.0 57/10 - 1/0-0*6- 682 0G60/*7 +,; ; 2-,6,0- 7*3 ,*60/*7 = 682 0 : 16= 50 - 7*3 6.0 57/10 - 7/0 4/6.0/ 1/234503 ,*62 7 ;2/* ,?0 62 -,G 6, : 0- 7- 2*+ 7- 6.0 -003

7 : 73/=7- B 280/- 3,505,2*- ; = -411/0--,2* 017 - E < 573452*- 2/ -4;10/-,-60*6 067 - $ T 8,6. 7 ;7-7 -57 0 7/10 - *4 : 0/24- 5;0*0- 571,6760 6,1103 ; = 6;0 -.2/6

-6=0 B 28' .0/;-' 8,6.'10/0**,7' /226-6259' 2* =' 3, 0/,6 +' /2 :' $ " "#" ' ,*' 6.0' 3,205,24-' 280/-'

T' 5A:8*C ? B 017 -' E'10/-,-60*6' 067 -' $ E' 8,6.' 7' ;7-7' *0567/, 0/24-' 1,6' 7/10 -' *4 : 0/24-' 2;0*0-' 571,6760';07903';='6;0'10/-,-60*6' -6=0 B 28' .0/;-'/2 6-6259' 10/0**,7' 07?0-'/73,57 '0*6,/0' 5710-'*7903' 280/-'-2,67/='+2 30* =0 28' " ' (' 1 ' ! #' ' 2

8 >9' " ' < M %J& P> 1 0/98?' 89:@ *8' 08' 889:@ *8' G 238#$9 5' 1'!K .%#8#9 ' 9C* ?' B>8 4*+9#C9+* 0 =' 9+* ?' ?B* #08' 889:@ *8' *;=';94+*8 980@?# 08' 'D /!$%/5' -)"/&$#& ' *8C9 ?' ?9-98* 0-@ 9=# =97 ?49;+' /79;'8 C9# 8*89 A' >988A ' F9' G 2$/'/5' -)"/&$#& 5' 0 4@ *8# 899# 8*89 A' 40;;*+9' ;+0' *' ?9-98* 49 9=' 4*C?@ 9' G #7'!!/ ' 98>?' 9*-9?' * '8*= 4* # 08' +79' 4*@ @9' * +98;*+9

" ' " C9' 8@ + +*B9;'GB +:I

" ' 0;;:'4*8C9'GB*:K

" '5 "(

" " "

99=' / +7' @;:0 ='47* *<*' GB*:I, $ 60/98'4@+'-98+ 4* A ?+ '*;='CO8+ 0;'0'*;=849C @B

(' P 7 6.7 B 017 -' E 22' 0>47 ' 52 24/03' 305,3424-' 067 -' $' 7/10 -' 08' 2/' :7*=' -0--,0J 2?4 0-' :7*=' T -0/,760' 2 ,54 7/' 8.0*' /,10' 003-' 2;2?2,3J 60-67' 5/*-6750 4-' -:226.'/71.0' 1/2:,*0*6 B 7;/24-' 10/0**,7' .0/;-'64 603' 2/' 8,6.' 7' 10/0**,7' /226-6259' 07?0-'/73,57 ' 17 :,*0/?03' 0*6,/0' 2/' 5/0*4 760' 52/3760' 2/' 74/,5 03' 574 ,*0' 08' 2/' $' 280/-'=0 28' 2/' 8.,60' 2*0' 2/' 08' 67:0*-'7*3' 57/10 -'*4:0/24-' 2/' 08' 3" ! ' (' ' " # ') 4' 5 #

%' 7 76.230- B 017 -' E' /0+4 7/' 52 24/03' 305,3424-' 067 -' $' 7/10 -' *4:0/24-' -0--,0' 3,-6,*56J 2?4 0-' & $' T -0/,760' *07/' 6.0' ;7-0' 2 '6;0' -464/0 B (10/0**,7' 0/056' .0/;

.7;,6 2 ## " 07?0-574 ,*0 17 :76,2;03 2 3,--05603 280/-=0 28-2,67/=
3 # &

E 745,3,,,: B 017 -%/0+7 7/305,3424- 067 -$ 7/10 - 2 08-0--,0-,+.6=
52.0/0*6 76 6.0 ;7-0 2?4 0- *4:0/24- :7*=-0/,760 7 2*+ 6.0 ?0*6/7 -464/0 2,50-
->47/0 8,6.32/-7 30.,-50*50 003- *4:0/24- 2;2*+ 301/0--03 60-67 ,*0=5/4-672024-
/71.0 ?0/=1/2:,*0*6 7 :2-6 8,*+03 B 10/0**,7 41/,+.6 .0/; 07?0- 17 :76,2;03
280/- -2,67/= 7:10 , 75 2 1,*9 - !

< =3/7-6,- B 017 -&/0+4 7/1067 2,3 5734524- 067 -$ 7/10 - *4:0/24- -0--,0
3,-6,*56 T 2?4 03 0-=8.0* /,10 7*3 2/:,*+ 7 .073 7- ,* 6 " " B 10/0**,7 0/056 .0/;
07?0- 17 :76,2;03 2 3,--05603 280/- -2,67/= - :7 8.,60 67:0*- 7 ,66 0 2*+0/
6.7* 6.0 -017 -)

78 P /2 ,4- B 017 - E 22
5,3424- 067 - E & - :7 5 7803 /7/0=22 2*+ ,*07/
; 730 0*6,/0 8,6. 7 *0567,, 0/24- 1,6 76 6.0 ;7-0 7/10-
:7*= /00 -0--,0 :7*= 2?4 03 2 ,54 7/ 8.0* /,10
< "" ((5 (003- 2;2*+ 4-47 =7*+4 7/ 60-67 5/4-675024- /76.0/
-:226. B /056 .0/;- /226-6259 10/0**,7 07?0- 17 :76, 2;03 2 -056 280/- -2,67/=
2 08 7/+0 =0 28 2 , 75 3" !)

HQ' , 8*;+7 ? B 017 -' ? # /0+4 7/' 1067 2,3' 305,3424-' 067 -' - : 7 ' *0567/, 2/ :' 5 7 8 0 3J ; 730 4/*,-.03' 76 6.0 ;7-0 8,6.' 7*' ,**0/' -57 0 ,90 ,1' 7, 10 -' :7*=' 3,-6,*56' 6,1,6760' :7*=' 2?4 03' 2 ,54 7/' 8.0*' /,10' 003-' 2?2,3' 2/' -8; + 2;2-2J 60-67' 5/*-67502*-' - : 226. B 28' .0/;-' J /226-6259' 10/0**,7 ' 64;0/24-' 07?0-' /73,57 ' 17 /776,-056' 574,*0 -2 ,67/=' 7 : 1 0G,274' ;0*076.'6.0' 280/' 2/' 1034*5 0' -0+ : 0*6-' -, : 4 76,*+' 6.0 8.2/ 03 07 06-' 2 '7*' ,*?2 45/0' 280/' -2 ,67/=' =0 28' ' -017 -' *7//28' ##"3 #:45 /8)' +#8#8:/#8& 3:'

T$' 216,- B 017 -' E B<' /0+4 7/' 1067 2,3' 305,3424-' 067 -' E <' - : 7 ' 5454 760 2/ ,*07/' 7/10 -' :7*=' -6,1,6760' 3,-6,*56' :7*= 2?4 03' 2 ,54 7/' 8.0*' /,10' 003-' 8,6.' 5/4-675024-' -.,*,*+' 60-67' B' 28' .0/;-' J /226-6259' 10/0**,7 ' 07?0-' /73,57 ' 60/*760 =' 3,--05603' 5710-' *7903' (280/03' 280/-' 8.,60' 3" ! ' ') '

7 > "" ' ' +*B9;'GB*:I 8@ +' 4@+' +8*;?-98?9 A' +0' * 0/' +79' 49 ?'*;=' +79' ?C@8 0@?49 ?

T ' P -21=/4: B 017 -' E <' /0+4 7/' 1067 2,3' 305,3424-' 067 -' <' ?0/=' -.2/6' *0567/,H 2/ :' 2/' $' 7/10 -' T T$' -0--,0' 3,-6,*56' & <2 2?4 03' 2 ,54 7/' 8.0*' /,10 B 0*30/' 28 .0/;-J /226-6259' 10/0**,7 ' 07?0-' 60/*760 =' 3052 : 124*3J 574 ,*0 7 60/*760 2/' -4;2112-,60' 2/' $' 280/-' -2 ,67/=' 2/' 22-0 =' 17*,5 03' 8.,60' 067 -' ?7/,7;0 ,*' 2/ :' 67 : 0*-' -2 : 0H 6,:0-' /034503 62 7;246 $' 3" ! ') , ' 4

TT' P ,+0 7 B 017 -' E' /0+4 7/' 1067 2,3' 305,3424-' 067 -' E' 5 7 8 0 3' J ; 730 - : 7 T ,3' 7/10 -' ($' -0--,0' : 2/0 2/' 0--' 52.0/0*6' *7*= 2?4 03' 210*,*+' 8.0*' /,10 76 6.0 621

2 ' 6 . 0 ?0*6/7 ' -464/0 ' 003-' 7*+4 7/ 160-67 5/4-675024-' 2/ -4 ; 0- . =' 2 60*' +/7*4 7/ B /056
+ 7 ; /24-' . 0/ ; -' 74 , *0 07-0-' 1, **76, -056 ' -0+ : 0*6-' ?0/=' *7//28 ' 280/-' 8 . , 60 ' ; 40 '
2/ =0 28, - . 1 -2 : 06, : 0-' , *? " . , 5 760 8, 6 . ' 2*0 2/7 ' 07 ' 3" ! ' 9 '

= & ""
0 / 98 4@+' 898+ 4* A' B*: I

0 @B> ; 9 '
, (" > ' ">
-B

0 @;> ; 9'
99=# 9 ; + 89' * ; =' 4@+'
-98+ 4* A' GB*: I

0 @B> ; 9 '
) 9+* # ; ; 98
*49

0 @B> ; 9
0@ ; : ' C ?+
GB*: #I

& A
+*B9;

0 @B> ; 9 '
0 / 98 4@+' -98+ 4* A

0 @B> ; 9 ' % *: 8*B

TT! 7/,30 7 B 017 - < 1067 2,3 5734524- 067 - E T 7 ; ,760 2 ,5 0- T (?9?? g 52 . 0/0* 76 6 . 0 ; 7-0 7* 3 210*, *+ 76 6 . 0 621 J -6= 0 ?0/= - . 2/6 003- T -0/,760 B 0*30/ . 0/ ; - 07?0- ,*0 = /44 6, ,3 280/- : 7 8 . ,60 +

T(P >4, 0+,7 017 - E /0+4 7/ 1067 2,3 305,3424- 067 - ,90 7 52/*4521,7 2/ . 223 76675 . 03 ; = 6 . 0 : 7/+, * 2 6 . 0 , : ; 7*3 *0567/, 0/24- 76 6 . 0 ; 7-0 2 6 . 0 57?,6= 280/ -67 : 0* - =034503 62 -57 0 ,90 -6> : , *230- 7/10 - E -0--, 0 3,-6, *56 : 7*= 2?4 03 2 ,547/ 8 . 0* /,10 003- 8,6 . 5/4-675024- - : 226 . 2/ +/7*4 7/ 60-67 B /056 . 0/ ; - J /226-6259 10/0**,7 07?0- 60/*760 = 3052 : 124*3 280/- 52*-1,5424- ; 40 =0 28 -57/ 06 2/ 17/6,H 52 24/03 -2 ,67/= 2/ 17*,5 03 3" !) T% P 0 1 *,4b* B 017 - E 1067 2,3 4*0>47 -4 ; 52 . 0/2*6 76 6 . 0 ; 7-0 6 . 0 12-60/,2/ 64/*03 41 ,* 7 . 2/* 2/ -14/ 067 - T 2/ % - : 7 7 -2 : 06, : 0- 4*,603 6 . 0 682 4110/ 1/2H 2*+03 ,*62 7 12,*603 -14/ ,*5 4303 ,* 6 . 76 2 6 . 0 57 =GP 6 . 0 682 760/7 *26 -14//03 2/ $ 7/10 - E -0--, 0 3,-6, *56 : 7*= 2?4 03 2 ,54 7/ . 0* /,10 003- -4 . 0- . = B **47 . 0/ ; - 2/ 8,6 . 10/0**,7 /226-6259 0/056 ; /7*5 . 03 07?0- 17 : 76, 2 ; 03 2/ 3,--0603

*8F?C@8 C9 4*8C9 *8F?C@8# ?+ # / +7 * +*B9;GB*: I *8F?C@8 ;=8094 @B*; C ?+

*8F?C@8 99=/ 9 ; + 89 * : = 4@+ -98+ 4* A GB*: /I

7/9-14/
2/2 7

280/-' /76.0f' 7/+0' ,*' 7' 22-0' /750:0' 2f' 17*,50' ; 40' 14/1,-.' 1,*9' 2f' 8.,60' /7/0 =' =0 28' , 7:0*6-' -2:06, ,,0-' 3, 7603' 76' 6.0' ;7-0' 3" ! ' ')

TE' P 52*,64*, 017 -' <' 1067 2,3' 4*0>47 J 12-60/,2f' 7/+0' .0 :06 -.7103' 52?0/,*+' 6.2' 52/2 7' J T' 760/7' 7/+0f' 6.7*' 6.0' T' 7*60/,2/' 067 -' T &' -:7 ' ?0/=' 4*0>47 ' 6 0' 682' 4110f' 8,6.' 2*+' 5 78-' 454 760' 66.0' 621' .,330*' 4*30f' 6.0' .0 :06J 6.0' 280f' :,*460' , , 2/:' 2 60*' $' 7/10 -' & E' -0--, 0' 3,-6,*56' :7*= 2?4 03' 2 ,54 7f' 8.0*' /,10' 003-' 8,6.' -12*+=' 60-67' 3001 =' 8/,*9 03 B /056' .0/;-' J /226-6259' 10/0**,7' 07?0-' 17 :76, 2;03' 2/ -056' 280/-' /750:03' 2f' 17*,203' ; 40' 14/1,-.' =0 28' 2f' 8.,60J 103,50 -' ;/75602 760' , 7:0*6-' 4-47 =' 3, 7603' 76' 6.0' ;7-0' 3" ! '

40;+9'
+*B9;'GB*:I

40;+9
0/98'=9C8-9=' 0' +?' 4* A5f'
C9+*$?' ;' *' 700=f' C9= 49 9=

40;+9
?+ ' / +7' 0;9' ?+*B9;'GB*:I

40 +9
99=f' 9;+89' *;=' 4@+' -98+ 4* A' GB*:I

40;+9' % *:8*B

40;+9
0/98'4@+' -98+ 4* A' GB*:I

T<' P 56&07 B 017 -' (E' -4;0>47 ' 1067 2,3' 305,3424-' 067 -' % $' -:7 ' 5 7803' -15,6.4 760' 76' 7/10' -2,67/=' :7*= 2?4 03' ;0//,03' 8.0*' /,10' 003-' 301/0--03J 60-67' 5/4-675024-' -:226. B 0/;-J /226-6259' 10/0**,7' 4-, 2/:' J -60:' 0/056' 07?0-' 60/*760 =

3052 : 124*3 280/- : 7 ,* - .2/6 /750 : 0- 6 . 76 0*+6 . 0* 7 60/ 280/,*+ 67 : 0* 2*+0/ 6 . 7* 6 . 0 -017 - 6,+ : 7 -0--, 0 3, 7603 3" !

+* B 9 ;' GB * : #I 99=# 9 ; + 89' D / = 4@+ - 98+ 4* A' GB * : I

T' , : ,5, 4+7 B 017 - % E -4 ; 0>47 305,3424- 067 - & - : 7 5 7803 T 2.03 2/ $ 7/10 - & 3, -6, *56 : 7*= 2?4 03 2 ,54 7/ 8 . 0* /,10 B 0/ ; - . 7 ; ,6 7*3 2 ,7+0 2 280/- - : 7 ?0/= *4 : 0/24- ,* 0 2*+7603 /750 : 0- 3" !

T& P 26/21 . ,- B 017 - % < 1067 2,3 0>47 067 - $ 460/ -67 : 0* - 3, 7603 60/ : , *7603 ; = 7* , : 10/ 056 7*6 . 0/ 7/10 -2 ,67/= 50 03J 2?4 0- T -0/,760 2 ,50 -4 ; -6,1,6760 B 0/ ; - 07?0- T (-056 -0+ : 0*6- ,*5,-03 6226 . 03 280/- /750 : 2-0 8 . ,60

TY) 7*6 . 2/ . ,M7 B 017 - E -4 ; 0>47 1067 2,3 30H 5,3424- 067 - E - : 7 5 7803 + 7*3 ,90 3, 7603 76 6 . 0 621 67 : 0*- E 7 60/*760 8,6 . 6 . 0 1067 - 2/ $ 7/10 - < $ 3, -6, *56 -0--, 0 T 2?4 03 2* 6 . 0 :,330 2 6 . 0 ,**0/ -464/0 210*,*+ ,* 2 ,5 0- 8 . 0* /,10 7*3 2*0 -00303 ; = -411/0--,2* 003 10*34 24- B . /4 ; - 2/ 4*30/ - . /4 ; - 387/ J -60 : =0 28 8,6 . ,* 07?0- 1,**76,-056 1/25003,*+ ,* 07/ = -1/,*+ /2 : 7 -57 = ;43 750 : 0- 52 : H 124*3 10*34 24- 280/- - : 7 ; 759,- . 14/1 0 2 60* 12 =+7 : 24- 67 : 0* - . 2/6)

/ , ; 0 2 4 F =

($ P 702*,7 B 017 - < , : ; /,5760 . 0/ ; 75024- 10/-,-60*6 067 - E $ 52*-1,5424- ; /273 8,6 . 246 7 *0567/, 0,C24- 1,6 7/10 - T E : 7*= 2?4 03 +, /6 76 6 . 0 ; 7-0 8,6 . 7 0- . = 3,-9 8 . ,5 . , - 2 60* -1/073 2?0/ 6 . 0 ; 7-0 2 6 . 0 57 =G 2/ 2/ : - 7* , //0+4 7/ 541 : 2/0 2/ 0- 0*?0 21,*+ 6 . 0 2?7/,0- /4,6 2 52/,75024- 2 ,5 0- 003- 7/+0 7 ; 4 : 0* 0- . = B 0/ ; - 8,6 . 10/0**,7 4-, 2/ : /226-6259 2/ 8,6 . ; /7*5 . ,*+ : 2/0 2/ 0- - 8223= -60 : - 07?0-

7 : 1 0 ' 1,, : 76,-056 2/ 3052 : 124*3 ' 280/7 52*-1,5424- ' 14/1 ,- , ' 8 ,,65 ' 2/ /23
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+/89829!/2'2'' 711/275.' # '8#/''2&',*' 6.0 3,-6,*56, : ; /,5760 -017 -' 1* =106* ,- : ' ,=12 =*=' 12=7*3/=' 73*760 7*6.0/-' 3,-6,*56 57/10 -' 7*76/2124-' 2?4 0-' 571-4 7/ 2/ 2 ,54 7/ /4,6' 0/056 7 ; : *,*24-' -003 : ,*460 ;7-, 7/ 0 : ; / 2' 7*3 60/ : ,*7 ', * 2/0-50*50 ' 1# '8#82'W'' 2* =' 3, ,05/ ,*' ,7 ; ,6 ' 12/ -,-62*6 -017 -' 7*3 0-105,7 =', *' .7?,*+' 7/, 760 -003-' +/2 83!#/2'2'' 2 0/ 6.0 -7 : 0 7*7 2+,0-' 7*3 3, 0/0*507J 7*3 7/07-2 3,-6,*+4,-.03 ;=' 6.0,/ .7 ; ,6 7*3 6.0,/ : 7*= -0/,760 1067 -' '"%'"#)22'' ,7?0 ' ,90 8 29!/2'/5 3,-6,*56 -017 -' 7*3 1067 -' 2 60*' *0567/, 0/24-' 73*760 7*6.0/-' 2*0 2/ : 2/0 /00 57/10 -' 7*3 7 ;4 : ,*24-' -003J ;46 6.0,/ 280/ ,-' ,-2 ' 2/ 3,1 2 -60*,2*24-' 6.0,/ 7*6.0/-' 210*' ;=' ?7 ?0-' 7*3 6.0,/ 0 : ; /=2' ,-' 7G, 0 7*3 *26 ;7-, 7/ ' /./('"/2'2'' 3, 0/ ,*' 6.0,/ -=*57/124-' 1,-6, ' T : 0/24-' 280/ 7*3 : , 9=' 4,50 ' , :, 7/ /0 76,2*-' 0G,-6 8,6.' *- .%A/2'/5 8.,5.' 4/6.0/ 3, 0/ ,*' 6.0,/ .7 ; ,6 ' 285/03 -5710 ' :7*= -0/,760 1067 -' 7/+0 =' 3, 7603 , 7 : 0*6-' /7=03 -6,+ : 7' 7*3 7/, 760 -003-' ,*7 5 -2 : 0 76 *,6=' .7-' ;00*3,-52?0/03 8,6.' D C7// ,,0=-' 8.,5.' 7/0 3,-6,*+4,-.03 ;=' 6.0,/ 10 6760 7*3 1067 2,3 -6,+ : 7' 6.0,/ /73,57' 07?0-' 8,6.' 64;4 7/ 106,2 0' 4*30?0 2103 ; 730' 7*3 280/03 -5710 ' /8982(!/(2/' 7/0 4*,?0/-7 =' 3,-6/,;4603 ' ;46 : 2-6 ,*.7 ; ,6 60 : 10/760 7, 3 52 3 /0+,2*-' 2 '6.0 *2/6.0/*' .0 : ,-1 ,0/0 J *-' 6./24+.246 4/210 ' /2 :' 6.0 -07 -.2/0 62 6.0 , : ,6 2 ' 10/10647 ' -*28 ' .0 # 7/0 /7/0/ ,*' 2/6.' : 0/,57 7*3 60 : 10/760 -,7' F# $%& 7 2*0 ,-' 6/21,57 ' 7*3 ,-' 3,-6,*+4,-.03 /2 :' 7 '6.0 26.0/' +0*0/7 ; C ,6-' -7/,*0*62 -0 .7 ; ,6 7*3 2112-,60 07?0-' ' <' $ 29!#,*.7 ; ,6 6.0' . ,+.' : 24*67,*-' 2 '6.0 0>4762/' $/89829!9&5 /!$%/5 7*3 !' /$#& 2554/ *076 = 0?0/=8.0/0 ')38#&5 '"/$32'.%/!9&5 "/8$%#&5 !'!!','3"9&5 /"#)'!!/5 #-'!!/5 $'38#/5 = 25 ;0 2*+ 0G54H -,?0 =' 62 6.0 3 O 2/ 3J -"$3#>%-82%/5 -)"/&$#&5 "/8$('$:''"#/5 !#3$"3.:##&5> 7*3 /8$%3"'%#J/' 7/0 6.0,/ 08' O 2/ 3 /01/0-0*676,?0-' *828(38#/',*.7 ; ,6-' 246.' /,57 / /)"-/&'0G6/7 6/21,57 246.' :0/,57 7*3 /"/('!#/'6/21,57 -,7J 6.0 26.0/' +0*0/7 7/0 3,-10/-03 2?0/' 6.0 *2/6.0/*' .0 : ,-1.0/0

2-6 /89829!/3'2'' 7/0 75/,3 7*3 : 2/0 2/ 0-' 12,-2*24-J ;46 6 ,0-0 1/210/6,0-' 7/0 ?2 76, 0 7*3 3/,?0*' 2 ' ;=' 5229,*+' 7*3 3/=,*+J 0G501 6 ,*' -2 : 0 57-0-' 8.0/0 6.0=' 7/0 7 97 ,*0 ' 7*3 52*-0>40*6 =' :2/0 ,G03 7*3 1280/ 4 ' .0,/' /226-' 8.0*' 10/0**,7 ' 52*67,*' ;0-,30-' 6.0 75/,3 7 ;,660/Rg0G6/756, 0 1/,*5,1 0 52*67,*03 ,*' ?7/,24-' 1/212/6,2*-' 8,6.' 7 ?2 76, 0 2, ' 8.,5.' /0*30/-' 6.0 : ' 3/7-6,5 7*3 0 : 06,5 .0,/ -003-' 7/0 75/,3J -2 : 0 52*67,*' ;26.' 7 ,G03 7*3 7 ?2 76, 0 2, ' 7*3 7/0 7/2 : 76,5 ! /$#& '"'2$/5 #$/!%/ 7*5 ! $)/5 7/0 ?0/=' 75/,3 7*3 ?0-,57*6 .0 4,50 2 ' 6.0 07?0-' 2 ' #$/!%/ ,-' 4-03 ;=' ;0++7/-' 62 1/23450 -410/ ,5,7 ' -2/0-' 7*3 6.4-' 0G5,60 1,6=' ' 2#""%3&/ /2 :' 6.0 03,60//7*07*' /0+,2*' ' 2"#&./ /2 :' 2/6.' : 0/,57 '7*3 ' /J#"#$#/8/ :"3 ' +/)' 7 &2/"5 /01 750 5**6.7/,30-' ,*' 6.2-0 524*6/,0-' .0 *4 :0/24-' / 2#)# 7/0 2 60*' 1214 7/ =' 4-03 7-' ?0-,57*6-J 6.0' : 2-6 75/,3 7/0 ' %3"/5 7*' 7 1,*0 1 7*6' 7*3 ' &2'!'"/#9&5 *7 :03 ;=' 6.0 2 :7*-' /")3J##/5 ;0574-0 ,6 0G5,60-' 52*?4 -,?0 -7/32*,5 74+.60/@ -28 5229,*+' 3,--,1760-' ,6-' 12,-2*24-' 1/210/6,0-' 7*3 /0*30/-' ,6 0767; 0 7-' 7 126.0/; ' 2 ,6 ,-' 8,6.' !' /$#& ! > 88)/5 2*0 2 ' 6.0 : 2-6 75/,3 -105,0-' 6.0 =24*+' -.226-' 2 ' 8.,5.' : 7= /0 0760*' 8,6.246 37*+0/' /898'9! ' #2/"#/5 7 52*, : 2*' 1 7*6 ,*' 37 : 1 .03+0-' 7*3 8223-' ,-' ?0/=' 75/,3 ;0 2/0 280/,*+' ;46 6.0 : 45, 7+0 7*3 -67/5.' 8.,5.' 7/0 30?0 2103 760/ /0*30/ ,6 0767; 0 ' /!.'&$"#&',-' 7 ?0-,57*6 7*3 -6/2*+' 14/+76,?0J =06 6.0 1,*0 .4*60/-' 5.08',6-' 07?0-' 62 9001 2 '+,33,*0-' 7*3 62 -6/0*+6.0*' 6.0 :

8' 38'& 7/0 0>47 =' ?0-,57*6 ' 8' 3"3&/',-' 4-03 7-' -45.',*' -2 : 0 17/6-' 2 ' 4/210 7*3 ' %'!F3 !3"#:3!#/' /01 750-' 57*6.7/,30-' 7 : 2*+' 6.0 0/4?,7*-J 7-' 320-' *83<!$38#/5 2 ' 246.' /,57 .0 67,7*-' 1/017/0 7 /4;0 75,0*6 8760/' 8,6.' ' /.'88#8/5 8.,5.' 6.0 73,0-' 7/0 -7,3 62 4-0' 62 .0,+.60*' 6.0,/ 52 :H 1 0G,2*' ' "/89829%#)'&5 7 52 : : 2*' *2/6.0/*' -105,0-' ,-' -2 75/,3 6.76 6.0 7 : 6-0.7697*-' 12,-2*' 6.0,/ 7//28-' 8,6.',6' ' J)&/$#!!/',-' 6.0 /,5.0-6 ,*' : 03,57 1/210/6,0-@ 6.24+.' *07/ =' ,*232/24-' =06 , ';/4,-03 ,6 0 : ,6-' 7 ?7124/' 6.76 ?,2 0*6 =' ,//,6760-' 6.0 : 4524-' : 0 : ;/7*0 2 '6.0 0=0-' *2-0 ' 7*3 ;759 2 ' 6.0 :246.' 28,*+' 62 6.0 1/0-0*50 2 ' 7 ?2 76, 0 75,3 7*' 7 97 ,' *7 : 03 /8' 38#8 5 7*3 7 ?2 76, 0 2, ' *' 7 /0-.' -6760 ,6 ,-' 4-03 ,*' 17/7 =-,-' 0-105,7 =' 2 '6.0 /06,*7 ,*' /.04 : 76,-: ' 7*3 ,*' 2; -6,*760 5467*024-' 3,-07-0-

%/!#2$"9 ' #/(85 I/.4;7/;0 30-' 174?/0-# ,-' 73 : ,*,-60/03 ,*' 74*3,50 7*3 ,*60/ : ,660*6 0?0/-' 2*,7/,',-' /0+7/303 ,*' 2/6.' : 0/,57 7-' 7 1280/ 4' 7 0G,1.7/4*,5' '!.!# #<8' .7-2 /6 ' 7/9-14/',-' 710/,0*6' 3,4/06,5 7*3 ?0/ : , 4+0J 6.0' -003-' 2 ' 1 ' $/.%#&/7"#/' 7/0 3/7-6,5 0 : 06,5 ' 7*3 0 : 1 2=03 0G60/H *7 =',*' 7 12830/ 62 30-6/2=' ,50 ' 7*3 ,*' -9,*' 3,-07-0-' .0 -003-' 2 ' 6.0 #7'!!'.' 7/0 - ,+.6=' 75/,3 7*3 7/>*,76,5J 6.0=' 7/0 4-03 ,*6.0 246.' 2 ' 4/210 7*3 ,*' 6.0 7-6 62 7?24/' ;/073 3.$#&$"#:3!#9$/',-' 7 -4;H 7/56,5 1 7*6 2 ' ;26.' 82/ 3-' /0*28*03 2/ ,6-' -62 : 75.,5 1/210/6,0-' J ,6 =,0 3-' 7 : 28' 52 264 ,*+' 1/,*5,1 0 .0 /226 2 ' ' '2$/',-' : 45.' 50 0;/7603 ,*' *3,7 7*3 .,*7 7-' 7 1280/ 4' -6,: 4 7*6 2 ' 6.0 3,+0-6,?0 2/+7*-' -)"/&$#&2/8/)'8&#& =,0 3-' ;26.' 7 3=0 7*3 7 62*,5 : 03,5,*0

' '%3"9& 7'"5:2'$#)9&5 (#"#)#&5 7*3 3##'8$/!#& 52*67,*' 7 660/ -4;-67*50' 4*,603 62 7 /0-,*24- 1/,*5,1 0' 8.,5.',- 7 3/7-6,5 14/+76,?0' 7*3 12,-2*24-',*' 7/+0 32-0-' .0 52*,60-' 7/0 *7/526,5 75/,3 .0/;-' 52*H 67,*,*+' 7*' 7 97 2,3 57 03 /238#$#8'5 52 : ;,*03 8,6.' 7 1054 ,7/ 75,3' 7*3 /0-,*24-' 2/ ?2 76, 0 1/,*5,1 0-J 6.0 07?0-' 7*3 -003-'3# 238#$9 ' /.'!! '7*3 '.8#3?)/$9 '7/0 2'4-0',*'-: 7 ' 32-0-' 2/ 0G5,6,*+'6.0 + 7*34 7/ 7*3 = : 1.76,5 -=-60 : -' ;46 7/0 0/=' 12,-2*24-',*' 7/+0 32-0-' :'"3?A' 7 *76,?0 2' 017 ',-' /0146033 62 ;0 6.0 : 2-6 12,-2*24-' 2' 7 '$2'/ M82/$/' 87-' 2/ : 0/ =' +,?0*',*60/*7 =' 2/ 7-6.: 7 7*3 -5/2 4 7' 7*3 0G60/*7 =' 2/ -9,*' 52 : 1 7,*6-' # #2#:97/'&'". $/"#/5 2' 7 *74-024-' - : 0 '7*3 ;,660/ 67-60',-',*' 2/6.' : 0/,57 /014603 62 ;0 7 -105, ,5 7+7,*-6 6.0 ;,60 2' 6.0 /766 0-*790' ':2'$#)/5 7 8,30 =' 3, 4-03 1 7*6 2'522'*2/6.0/*' /0+,2*-' 87-' 2/ : 0/ =' 4-03',*' 3/21-=' 7-' 7 14/+76,?0@ ,6-' *7 : 0 ,-' 30/,?03 /2 :',6-' -4112-03 1/210/6=' 2'3/,?,*+' 787=';4+- .0 /226 7*3 8223 2' /8$%3"%# '/.#:3!#/5 7 2/6.' : 0/,57*' 4*30/-./4;' 52*67,*' 7 ;,660/' /0-,*' 7*3 =0 28' 3=0' 7*3 7/0 /0*2? *03 7-' 62*,5-' 38#/' 3A2#8/!#& 87-' 2/ : 0/ =' 7 : 24-' ,*' -2/50/=J ,6-' /0-.' -003-' 80/0 4-03 7-' 0 : 06,5-',*' 01, 01-=J 7*3 ,*' -2 : 0 524*6/,0-' *059 750-' : 730 2' 6.0 :' 7/0 -6, ' 4-03 62 87/3 2 V 52*?4 -,2*-' /2 :' 0 ,, 3/0*' .0 ,;0/,7*' '/83 /!/' .7-' 7 .,660/' /226 8,6.246 75/,3,6=' - : 0 ,*+' 2 '?,2 06-' 8.,5.',-' ?0/=' 4-0 4',*',*60/ : ,660*6 0?0/-

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9!') ' -+ ' /8/$"3.39&' + ':3!!#29!/"5 3"', '""#') ' ' '"'2$ 3" /&2'8)#875 9&9/!!-' /"#!!/$'5 /!,9 #839&' " - ! ')#23$-!')3839&5 #89$'5 &$"/#7%$5 /?#!'

&-' 7/;2/0-50*6' 2/' /460-50*6' 2:06,:0-' 5,:;,*+' /7/0 =' -4; 8223=' 2,' .0/;75024-' G 2" $"' /5 #,,'"$#/ ' ' 7 60/*760' ?0/=' /7/0 =' 2112-,60' G #,,'"$#/ ' 0*6,/0' 2/' 6226.03' /7/0 =' 1,**76,,3' 2/' 6 ,3J &$#.9!'&' $' 2/' 73*760' 62' 6.0' 106,2 0' 7*3' 5734524-' " 8 ' E' 2/' 12 =+7:24-' /7/0 =' 3,505,24-' -2 ,67/=' 2/' /750:2-0' 2/' 17*,5 03' 4-47 =' =0 28' ' E' /7/0 =' 080/' G '$"/2'"/5 "2F' 2/' 22' D .'>)32!'/5,:;/,5760' 10/-,-60*6' 2 ' # 2/' 080/' G1/(#!!/5 "5F' 7 60/*760' 8,6.' 6.0' -017 -' .=12+=*24-' ,:;/,5760' 305,3424-' - ' /7/0 =' 30 ,*,60' G #,,'"$#/ ' 5F' .=12+=*24-' -2:06,:0-' 4*,760/7' G #,,'"$#/ 5 4-47 =' /00' /7/0 =' :2* 12 =' 730 1.24-' G #,,'"$#/5 /8)3!!'/ >5 /8$%'"&' ,*6/2/-0' 2/' 0G6/2/-0' 50 -' ,*07/' 2/' -4;' + 2;2-0' 73*760' 2 60*' -017/760' 7*3' 2?0/621103' ;=' 6.0' 52**056,?0' 210*,*+' ?0/6,57 =' /;=' 7*' 71,57' 12/0' % ' 0?0/7' 3,-6,*56' 2/' 52.0/0*6' -2:06,:0-' -2 ,67/=' G > .')3)'/5 3!#32/".9&5 '!# /5 "5FJ &$-!'&' 60/:,*7' 2/' -4; 32/-7' 3,?0/+0*6J &$#7 /$ -,1 0' 2/' -4; 571,6760J 3(9!'&' T' 2/' -0?0/7' T'-0/,760' 7-50*3,*+' /71.0' ?0*6/7' /7/0 =' -2 ,67/=' 7*3' 0/046' G 2%< /2%'"#/5 7*76/2124-' 2/' .7 7*76/2124-' ' -2:OH 6,:0-' 30.,-5,*+' ;=' 6.0' ?0*6/7' 2/' 32/-7' -464/0' 2/' ,*30.,-50*6' 5/4-675024-' 2,' ;0//,03' ' -2 ,67/=' 2/' 08' 2?2,3' 7/, 760' DOG5016' 1#!!'8#/5 60-67' 5/4-675024-' 7/,' 166 1=' 2/' :0:;/7*24-' 541 -.7103' 75,*,760' J /!,9 '8' 0-.=' " - ! ' :,*460' -6/7,+.6' ;7-, 7/J "/)#2!'' *07/'6.0' ., 4:',* 0/,2/

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1#!!'8#/2'2'' 7/0' :2/0'\2/' 0--' 5 2-0 =' 7 ,03' 62' + /783!#/''/#5 838 '2'5 7*3' +9898)/2' ' D 00' 6.0-0' 7:,,0-F

1#!!'8#/2'/'7/0'5.,0 =' *76,?0-'2'6.0'-246.0/*' .0:,-1.0/0' /21,57' :0/,57' 7*3' -,7' 12--0--' 7;246' 7*' 0>47' *4:;0/' 2'-105,0-J' 6.0=' 7/0' /7/0',*' /,57' 1#!!'8#/',-' 52*,*03' 62' 6/21,57' -,7J #,,'"$#/' 7*3' /8)3!!'/' 7/0' -105,7 =' 0G6/7 6/21,57' 4-6/7,7*' ,6.0/62' *2*0' .7?0';00*' 24*3',*' 246.' /,57' 2/' 60:H 10/760' 246.' :0/,57

1#!!'8#/2' '7/0'7-6/,*+0*6'7*3'-2:0'7/0'-2'4-03':03,5,*7 =' .0' /4,6-'2'7' ?0/=' 08'7/0'75,34 24-J 26.0/-' 7/0' /0146 03' 62*,5' -6,:4 7*6-' .0' 07?0-' 2'1/(#!!/' '!!#.$#2/5 7' /7M,,7*' -./4.' 7/0' ?4 *0/7/=J 6.2-0' 2' /"/$'!!/' /8#,/#,/5 711,03' 62' 4 50/-' 7/0' 3060/+0*6' '$"/2'"/' #7/"'/5 2' 4,7*7' 7*3' 6.0' *6, 0-',-' 7' -432/,,5 7*3' 3,4/06,5J 7' 305256,2*' 2',6',-' +,?0*' 2/' -=1.,,-J 7*3' 7' ?,*24-',* 4-,2*' 2',6,-' -003-',-' -7,3' 62' .0'0 ,575,24-',*',*60/:,660*6' 0?0/-'5.2/2-,-' 7*3' -54/?=' .0' 7-6/,*+0*6';7/9' 2'1#!!'8#/' &'""/$/',-'0:1 2=03',*' -,7' 2/' 4 50/7603' -2/0-' .0' 75,3';46' 4*0767;0' /4,6 2'1' &.'2#3&/' -0/?0-' 62' -07-2*' 3,-.0-J' 7*3' 7' -=/41' 2'6.0' 4,50' 2'6.0' 4*/,10' /4,6 7 7=-' 524+.-' 7--,-6-' 0G10562/76,2*' 7*3' 54/0-' 7*+,*7' 7*3' 71.6. ,J,6-';/4,-03' .7/9',-' 711,03' 7-' 7' 57671 7-:',*' 7/6./,6,-' 7*3' ,90' 6.76' 2' 26.0/' -105,0-',-' 4-03' 2/' 67**,*+

' :5' #8)!

2 '$' - '89 '"39&5 #8&'"$')' 38' $%" 2/!-?' '89 '"39&5 :"''5' #8&'"$')' <#$%#8' $%" "'2'.$/29!/" $9,'' " - ! ')#23$-!')3839&5 '?/!,9 #839&' -' <33)-' '3..3&#$'5 '?&$#.9!/$'

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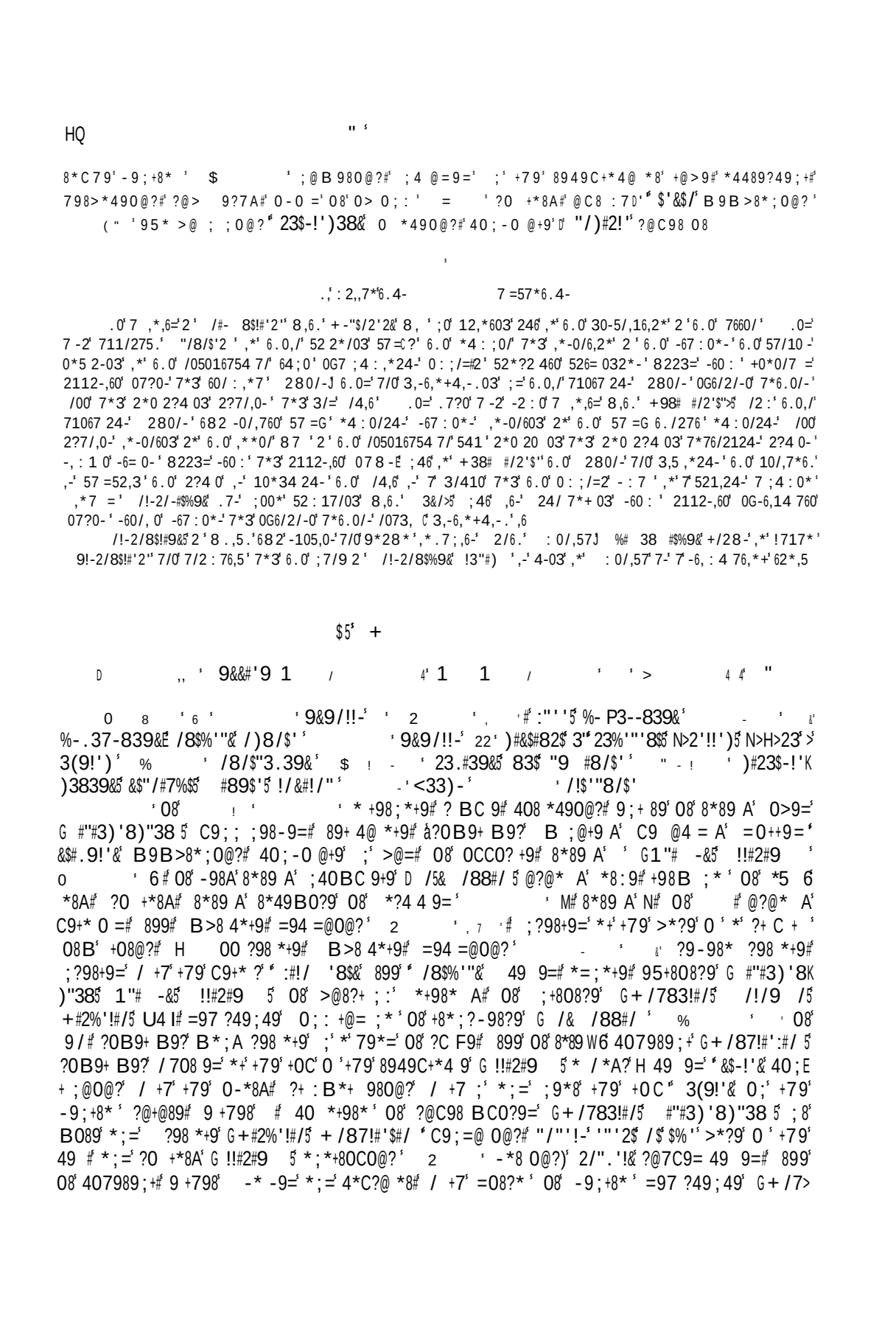

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280/-' 8 ,,5. ' ,28I0Kg0/' ;052*,0 6O6,3' 7-'6 . 0=' 8 ,6 . 0 /J' 7 ' 17/6-' 2 '6 . 0' 6/00' 7/0' 7/2 : 76,5 ' ; ,66O/ ' 7*3' 75/, 3J 7*' ,* 4-,2*' 2 ',6-' 12830/03' ; 7/9' ,-' 7' 1280/ 4 '062 : 0*7+2+40J ,6-'=24*+' ; 43-' 7/0' 73 : , *, -60/03' ,*' 4/06. /,6,-' 7*3' ,6-' 12830/03' 07? 0-' 7/0' /052 : : 0*303' 2/' +246' 7*3' 7/0' 711 ,03' 7-' 7' 26,2*' ,*' / . 04 : 76,5' 7 . 3' 7/6. /,6,5' 17,*-J' 7-6 =' ,6-' -003-' 8 . ,5 . ' 52*67,*' 7' ?0/=' 75/,3' -4 ; -67*50' 7/0' /4 ; ;03 8 ,6 . ' +,*+0/' 7*3' +7 0*+7 ' 2?0/' 6 . 0' /0+,2*' 2 '6 . 0' . 07/6 ' 62' 54/0' ,* 7*6, 0' ,*60/ : ,660*6-' . 0' ; 7/9' 2 ' /!/9 /' D "3 /))"/$ ' '!'7/8&,-' 7' /0*28*03' -62 : 75 . ,5' ,*' !7?7J' ,67- ,+ . 6 =' ; ,660/' 07?0-' 7/0' 7*6,-17- : 23,5' 7*3' 7*6, . =-60/,5 ' '6 . 0' -,76,5' 305,3424- 07?03' -105,0-' + /783!#/' #2!/8' . 7-' ; 00*' 54 6,?7603' /2 : ' 6, : 0' , : : 0 : 2/,7 ' ,*' . ,*7 ' 743' ,6-' ?0/=' ; ,660/' -003-' 4-03' 7-' 7' 0 ; /, 4+0J 7*3' 6 . 0' , : 7 7=7*' + ' / .%'!!##A' 7' 2 6=' 6/00' 8 ,6 . ' 7/+0' /03' 280/-' ,-' 2*0' 2 '6 . 0' : 2-6' -1 0*3,3' 1 7*6-' . ,6 . 0/62' 3,-52?0/03 ' . 0' 1/,*5,17 ' : 0/,57*' -105,0-' 7/0' + '7"/8)# !3"/5 /9"#2$)/$/5' 7*3' /2"3 . %7!!/5' 2 '8 . ,5 . '6 . 0' ; ,660/' 7*3' - ,+ . 6 =' 7/2 : 76,5' ; 7/9' ,-' 7' 62*,5 ' . 0' /4,6' 7*3' -003-' 2 ' + ' 7!/92/' 7*3' /29 #8/$/' 7/0' -6, : 4 7*6-' . 0' ; ,660/' 1 07-7*6 =' 7/2 : 76,5' ; 7/9' 2 ' 6 . 0' 4 ,1 6/00' D #"#3>')'8)"38' $9*. #:3>/4 5' 8 . ,5 . ' 7667,*-' 7' . 0,+ . 6' 2 ' $$' 006',*' 2/6 . ' : 0/,57 ',-' /0+7/303' 7 ' 7*' 0G50 0*6' -4 ; H -6,6460' 2/' 57-57/, 7' 7*3' >4,*,*0

*' !#'#'$25' 8 . ,5 . ' /2 : ' 6 . 0,/' 14*56760' 10 45,3' 07?0-' 7*3' -0/,760' 8 . 2/ 03' 57/10 -' /76 . 0/' 2/ : ' 7' 3,-6,*56' 2/30/' 6 . 7*' 7' 6/, ; 0' 2 ' + /783!#/' ' '2'5' 6 . 0' 7/2 : 7' 2 '6 . 0' ?2 76, 0' 2, ' 7*3' /0-,*' -410/-030-' 6 . 0' ; ,660/ * 0-- ' 7*3' +,?0-' 6 . 0 : ' -6, : 4 76,*+' ?,/640-J 7-' ,*' 1 "# -& #8$' "# 2 ' *67/56,5' : 0/,57 ' 1' 5 "/8/$' 8&#& 2 ' 08' /7*737' + ' /?#!!/"#& 2 ' 08' h07 7*3' 6 . 0' /& /88#/& 2 ' 4-6/7 ,7' 743' 0-105,7 =' 6 . 0' I 73,7*0' # D !##)# # /8#&/$9 5' 7' . ,*0-0' - . /4 ; ' 6 . 0' /4,6' 2 ' 8 . ,5 . ' 57 03' 67/' *, -003' /2 : ' ,6-' - : 0 ' 7*3' 8 . 2/ 03' 57/10 -' ,-' 7' 1280/ 4 ' -6, : 4 7*6 ' 8 . ,5 . ' 0*60/-' ,*62' 6 . 0' 52 : 12-,6,2*' 2 ' 465 . ' 7*, -003' 52/3,7 ' ' "' !#7#3&<8A' 6/7*-12/603' /2 : ' . ,*7' 62' !717*' 7*3' 10/ . 71-' 2* =' 7' ?7/,06=' 2 '6 . 0' 7660/ ' 12--0--0-' 6 . 0' -7 : 0' 1/210/6,0-' ; 46' ,*' 7*' ' ,* 0/,2/' 30+/00

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G 4 c %(J# !9 ' 1 ; ! - ' $"#, "' # '8$%' '$ 33%' :#$

*8B9 ; +0?9' : *>80@?' - & / +>' B@40@?' D@ 49 ' M ' * +98 ; *+9# ? BC 9# C9 ; ; ; 98-9=# 9 ; + 89' 08' +00+79=# ?@> 408 *490@?# 0 +9 ; ' C9 @4 = A' =0++9=' G 2%# 8)?/ 5' 95?+ C@ *+9 ' * ' = 4 ; 0@?# *5 *8A# ?0 +*8A# ?B* # @?@* A' ?49 ; +9=' : ' +98 ; *8A# B @ + C 9" ?9C* ?' *;=' C9+* ?' 7AC0 : A ; 0@?# Q H H # M 00 ?98 *+9'D' C*?? ; :' :8*=@* A' 80B' +>9' ?B* ' 0@+98' +0' +>9' C9+* 0 =' ; ; 98 ' ' 5 0 = ' & 08' N H # = ?+ ; 4+# 08' @ ; +9=' ; +0' *' : 0>@ *8' B *??" : #!/ '8$& -98A' ?708+# +7 4F# 899' 08' 407989 ; +" /8$%'"'S' *=; *+9# 49 ?' ?708+# 80@ ; =9=# B089' 08' 9??' ?9C*8*+9=' >A' +79' 40 ; ; 94E + -9 ' * ' \') ' &' ; ' *' 79*=' D*/)&9"/' 08' ?C F9' B 2%#J2)"/" &$#7 /& ?9?? 9# =94@889 ; +' 0 ; ' +79' ; ; 98' 9=:9' 0' +79' 0-*8A" 3(9!'& 1M# ?@C98 BC0?9=# C9 ; =@ 0@?# * ; *+80C0@?' K ' ; =97 ?49 ; +' = ' ?@ ; F' ; ' C@ C' " /!,9 '8' 0 A# 40C 0@?' " ' B ; @+9# ?+8* : 7+# >*? *8" 23$-!')38& = -*8 4*+9' " "/)#2!' ' ; 9*8' +79' 7 @B# 0> 0 ; : # ?@C98 08

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5 . ,M7*3/7 73-4/7

. ,-' ,66 0' 7 : , =' 7**0G03' ; =' 0*6 . 7 ' 7*3' 2290/' , ' 62' + /783 /2'2'5 ,-' ,*' 756' 2* =' 3,-6,*+4,-. 7 ; 0' /2 : ' 6 . 0 : ' ; =' ,6-' 5 , : ; ,*+' -60 : ' 0G-6,14 760' 07?0-' 3,5 ,*24-' 280/-' 7*3' 0-. =' T & -00303' 57/10 -' 6' 7 -2' 711/275 . 0-' + '8#&. '" '2&5 /")#J/%/!'2 5' 7*3' 838/2'2" D-00' 6 . 0-0' 7 : , ,0-F' 2%#?/8)"'2" , *. 7 ; ,6' 7-60/*' 60 : 10/760' 7*3' 6/21,57' -,7J' 2*0' -105,0-' +/28-' ,*' 6 . 0' 87/ : ' /0+,2*-' 2 ' 2/6 . ' : 0/,57 ' . 0' : 45, 7+,*24-' ; 0//,0-' 2 ' -2 : 0' 7/0' 0767 ; 0' ; 46' 67-60 0--

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&'"#/$''E /8$%'"& /)8/$'' % ' 9&9/!!-' /8-5)#&$#82$5 TBW?>3(9!')E 3(9!'&
'"'2$ 3" /&2'8)#87' 2 ' /' 2/.&9!'' 3" ,'"'"-' _?0/=' /7/0 =' 571-4 7/ 1 " :' $! - '
"9 #8/$'' " -! ' #89$'5 ,/&#!/"
' 2/' ' -2 : 06, : 0-' 5 , : ; ,*+' +0*0/7 =' 7/2 : 76,5' 8 ,6 .' 75/,3' 4,50'
' 7 60/*760' 3,-6,5.24-' 1 7,603' ,*' ?0/*76,2*' -, : 1 0' 0*6,/0' N0**,*0/?03'
14;0-50*6' 8.0*' =24*+J 106,2 0' 4-47 =' 2,*603' 2/' -82 0*' 76' 6.0' ;7-0J &$#.9!'&' ='
2 8 ' ' /7/0 =' 3,5 ,*24-' -2 ,67/=' 2/' 7-5,5 03' 2*' 7G, 7/=' 1034*5 0-' /7/0 ='
760/7' 2/' 07 2112-03J 52/2 7' : 0 : ; /7*24-' 52/,75024-' 2/' 0-.=' +/00*,-.' 14/1 0' 2/

99=#9;+ 89‘*;=‘4@+‘
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8*;?-98?9‘?94+ O;‘O ‘ 8*;?-98?9‘?94+ O;‘O ‘ =;*+9‘*;+798#‘=O8?* ‘*D‘=‘
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?@* A N ?98 *+9# 8*89 A ?98 *+9 D1#&'./!9 5 08 0; A M H ?98 *+9 D 838/ 5 8*89 A
407989;G '?/!3%9& 5 7AC0:A;0@?# -* -*+9# 08 8*89 A B>8 4*+9 ;>@= = ;E
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+98 # 0C9; ;:>A *0;:+@= ;* ? +# 40;+ :@0@? 08 ?9C*8*+9# @?@* A 40;49* 9= >A
+79 0-98 *CC ;:= *+9= +0C? 0 +79 40;;94+ -9?* 8*89 A =9 ;+9# / +7 +79 *;+798? ;0+
40;49* 9= >A +79 40;;94+ -9# 7*8= A 08 ;0+ *+ * = *+9= D+#! &/5 "3.%'/5
32/7'/5 U4 I H & 8*89 A =9 ;+9 D &# #8/5 -!3.#/5 32/7'/5 U4 I# 0A
?0 +*8A G -/$%3'/!-? 5 = ?+ ;4+# 08 8*89 A 407989;+ G 838/5 +383)3"/ 5 ?9?? 9 0;+79
+0C 0 +79 +08@?* &$-!' ?708+# +7 4F# 08 ' &$#7 / +7 4F# 4*C +*+9# 08 0> 0;:# ?0B9
¥ B9? @880/9= 08 0>9= 08 8*= *+9 G+383)3"/ * 3(9!'& H # 9894+# >*? *8# 08 H 45#
59= 9 +798 +0 +79 ?@+@89# 08 -98A 8*89 A * 0-98 +79 / * ? 0 +79 0-*8A G+383)3"/ 5
;+80C0@?# 8*C79 -9;+8* # B 480CA 9 ; 98 08 C9 ?9?? 9 08 ?+ C +*+9#
= ?+ ;4+# 08 @; +9= ;+0 * 00 49 9= 8@ + D 838/ 5 08 H 99 9= D+383)3"/ 5 =8A# 9?7A
08 C@ CA# ;=97 ?49;+ 08 -* -9= = / +7 40C 0@? 8@B ;*+9 * >@B9;
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P ?7/,7	,10,7	47660/,7	4+406,7	/67;26/=-
0G72;4-	*2*7	P -,:,*7	2 =7 6.,7	*7G7+2/07
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.0 +0*4- 9.3 /$#/5 8;,0;',-5 2-0 =7 ,03'62 838/''2'5 1/0-0*6- /0:7/97;0 7*2:7 ,0-2 -6/4564/0
'./!& 7*3 .'$/!& 4*,603 ,*62 7 52*,57 :7--,*-0/603 2*$%'' 4110/ 03+0 2 7 64/;,*760 62/4- /2:8.,5.
,6 ,- 6/7*-?0/-0 = -017/7603 ,90 7* 210/54 4: $/ '8& *4:0/24- 10/,+=*24-J ,**0/ :7*= -0/,760
-60/,0 1067 2,3 J 2460/ 08 -0/,7 0 ,*07/ 7*502 760 J 52**056,?0 2*+0/ 6.7*6.0 7*6.0//50 -754:,*760
(/"-,* 0/,2/;4/,03 ,*6.0 62/4- 7*3 52:12-03 2 -0?0/7 6.,59 57/10 - 2?4 0-5 *4:0/24- ,*-0/603 2*
6.0 ?0*6/7 -464/0J -6=0- 52**760 60/:,*7603 ;= 7 1 710 -6,+:7 .2 2803 ,*62 7-:7*= 7/02 /0 7-6.0/0
7/0 57/10 - 4 "9#$ 7 6*:0760 ;0//=5/28*03 ;=6.0 :7/+,*2 6.0 62/4- ''&* 7*+4 7/ B .0 -60/,0
,**0/ -67:0*- 7/0 52**,?0*6 7*3 ?0/= 5 2-0 = ,:;/,5760 2?0/ 6.0 -6,+:7 8.,5 7/0 6.4- -.46 2
/2: 52:4*,576,2* 8,6 6.0 2460/ 0/6,0 -67:0*- /0*30/,*+ 0/6, ,M76,2* ,:12--,;0J ;46 7-
/28*2;-0/?03 6.0= 7/0 +*7803 ;=,1-056- 8.2-0 ,*6/2345 6,2* 6.4- 7--,-6- 6.0 6/7*-12/6 2 6.0 12 0*
62 6.0 -6,+:7

838/2'A 7/0 8'&"+ -"#&$#2'2" D-00 6.#- 7:,=F .0= 711/275. 2%#J/8)"'#&5 /")#J/,/!'2" 7*3 + 28#>
&.'"8#'' ",* 6.0 60/*7/= 7//7*+0:0*6 2 6.0 57 =G 7*3 52/2 7 .=121067,-: 0G6/2/-0 7*6.0/- ;0//,03 /4,6
521,24- 7;4:0*;7-,7/0:;/=2 D76 07-6 ,* /")#J/,/!'/ 7*3 2%#J/8)"'2' 5 7 60,:760 07?0- 7*3 7G, 7/=
280/-J ;46 ,* 2%#J/8)"'$" 6.0 280/- 7/0 3,5 ,*24- 6.0 -0-6,?76,2* ,:;/,5760 6.0 2?4 0- 10*34 24- 6.0
/73,5 0 -410/,2/ 7*3 6.0 7;4:0*,- *26 /4:,*760 .0 7 ,*,6= &A#$% + /-83!#/2' /0-6- 2* 6.0 -7:0
0764/0- 7*3 6.0 -003- .7?0 +0*0/7 =7 0-.= 60-67 D+ /783!#/4 838/2''& 7/0 7 -2 *07/ 1# '8#/2'2" ,* .=12H
1067,-: 12=7*3/= 73*760 7*6.0/- 12 =+=*= 0/056 7*76/2124- 2?4 0- 521,24- 0-.=7;4:0*;7-,7/
0:;/=2 8223= -60: 7*3 7 60/*760 07?0-J ;46 ,* #!!'8#/2'/ 6.0 07?0- 7/0 -2:06,:0- -6,14 760 6.0
280/- 7/0 60/:,*7 7*3 >4,*7/= 6.0 -0-6,?76,2* ,-,:;/,5760 7*3 6.0 7;4:0*,- *26 /4:,*760
838/2''& 7/0 *07/ = 7 6/21,57 2:0 D &# #8/ /075. ((d 76,6430 ,* :0/,57 -,7 7*3
:0/,57 12--0- 7;246 6.0 -7:0 89 ,'" 3- 105,0-J -2:08.76 080/ 7/0 :06 8,6.,* /,57 838/ 7*3
3!!#8#/ .7?0 *26 =06 ;00* 2;-0/?03 ,* -,7 0?0/7 838/&,*.7;,6 /,57

.0 ; 7/9 2 83#!/)'A ,- 4-47 = : 2/0 2/ 0-- 7/2 : 76,5 7*3 -6, : 4 76,*+ ,* -2 : 0 -105,0- 6.0 67-60 ,- 75/,3 7*3 7 : 2-6 *74-024-J 6.0 07?0- 12--0-- -, : , 7/ .46 0-- 1280/ 4 1/210/6,0- 6.0 /4,6- 7/0 7/2 : 76,5 7*3 .26 G -!3.#/ 5 2/ *07,C = ,*232/24- 7*3 6.0-0 7 2*0 7/0 0767 ; 0 .0 7 7=7*- 4-0 6.0 .7/9 2 -0?0/7 838/2'2'5/037i<D 62 14 1 2/ ; /4,-0- 7*3 /.04 : 76,5 17,*, 7*3 6.0 /4,6 2 26.0/- 7- 7 -62 : 75..,5 O,6.6.0 280/-2 (8/"#/ 3)3"/$/5 7*3 8,6.26.0/ 7/2 : 76,5- 7*3 9"29 / /226 6.0 =1/017/0 7* 2,*6 : 0*6 8,6. 8 .,5. 6.0= 7*2,*6 6.0 : -0 ?0- 62 87/3 2 0?0/ ,* 6.0 /7,* = -07-2* 4/2107* 82 : 0* ,* *3,7 ,6 ,- -7,3 : 750/760 6.0-0 -50*603 280// *C 52527 *46 2, !j7-l 7V 7,/j2, .0 /226 2 2!-/!$%#/ /2"3.%-!!/ ,- -6/2*+ = 7/2 : 76,5 7*3 6.0 !7?7*0-0 : 24*67,*00/- 4-0 7* ,* 4-,2* 2 ,6 ,* 0/416,?0 0?0/-J 6.0= 7 -2 4-0 6.0 /4,6- 2 %23")/$/ 62 7 7= */0?24- 52 ,5- "$/,3$"-& &9/('3!'@#& +/28- ,* *07/ = 7 6.0 ,- 7*3- 2 6.0 7 7= /5.,10 7+2J /2 : ,6- ,* 4-03 07?0- ,- 1/017/03 7* 7/2 : 76,5 : 03,5,*0 8.,5. ,- =0/= 0 ,575,24- ,* ,*345,*+ /0756,2* 34/,*+ 6.0 52 3 -67+0 2 0.2 0/7 .0 7/2 : 76,5 /4,6 2 -!3.#/'7"/8)#:!3"/ 4/*,-.0- 6.0 /7M, ,7*-?86.7 52*3, : 0*6 7*3 7 -6, : 4 76,*+ 3/4+J 6.76 2 :"9$'&2'8&5 7 -./4; 24*3 6./24+.246 6/21,57 : 0/,57 ,- 4-03 7- 10110/ ; = 6.0 *0+/2-J 6.76 2 !387#:3!#/5 8.,5. +/28- 24 6.0 -.2/0- 2 6.0 /,*252 ,- /0592*03 2*0 2 6.0 ; 0-6 -4 ; -6,6460- 2/ >4,*,*0 2'$%#3.#2/ 4/*,-.03 6.0 7*5,0*6- 8,6. 6.,21,7* 10110/ ;0 2/0 ; 759 10110/ 87- ,*6/234503 /2 : *3,7 .0 &# #8/S 2 !,2*6. : 0/,57 7/0 /0 : 7/97 ; 0 2/6.0,/ *74-024- 2324/J 6.0 07?0- 2 $"#!3,/ 7/0 4-03 62 .7-60* 6.0 /,10*,*+ 2 7 ; -50--0-J ,6- ; 0//,0- 7/0 0767 ; 0 ; 46 ,6- -003- 7/0 0 : 06,5 7*= -105,0- 2 838/ 1/23450 7+/007 ; 0 /4,6- : 45.0-600 : 03 ,* 6.0 6/21,5- 7- 6.0 0/4?,7* .0/, : 2=7 D 838/ %'"# 3 / 5 6.0 8006 21 D &M9/ 3&/ 57*3 6.0 4-67/3 11 0 D 9"#2/$) .0O0-6 *3,7* "'$#29!/$/.7- 7 : 45, 7+,*24- 7-6/,*+0*6 3,-7+/007 ; = 67-603 /4,6 7*3 ,- 0 : 1 2=03 7- 7* 7*6, 3=60*60/,5 7*3 ?0/ : , 4+0 6.0-0 7/0 *76,?0- 2 : 0/,57 8.0*50 6.0= .7?0 ; 00*6/7*-12/603 ; = : 7* 62 6.0 3 O2/3

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. ; =: ; & 9&&#'9 1 % 6# 9 6G+ o 6# 1

*)#3'2#39&' = 9&9/!!- 5:"''5 H>&'"#/$'5 # ,"#2/$'A : 7-839&5 9&9/!!- 5 # ,"#2/$'5 H>&'"#/$' = 45 #8&'"$')' 38 $%'" "'2'.$/2!'5 'M9/! /8) 3..3&#$' $3 $%' .'$/!&5 "/"'!- 3"' 3' : '#('"5 &$'"#!' 3' #8 $%' :#3#('"&' 05 9&9/!!- M# "/"'!- 00#)#&$#82$5 N>3(9!')5 "9)# '8$/"- 3' #8 $%' S :!3<'"&' +I)F+ ? <#$% $%' &$-!/"- &'/@' 3:$'8 ,/&/!' = /!,9 #839& 3' 83$' 9&9/!!- 29"(')E "/)#2!' :/2#87 $%' &$-!/"- ?4*; 1 9&9/!!- <33)-5 2!# ,#87 3' $<#8#87 M /!$'"8/$'5 '?&$#.9!/$'

= 4 B> ; : >8*;47 9+? ;9 A ?+8 *+9# ?0B9+ B9? + / ; ; :# /00=A# 08 ?@ 8; + 90?9# 8*89 A 798>*490@? *; =?C8 ; : ; : 80B * /00=A 8> <0B9 B #&&/ .'!3& M * +98; *+9# 95?+ C@ *+9# @?@* A C* B ;98-9=# 9 ; + 89 08 C* B 0>9= 08 C9 +*+9# 8*89 A 40BC0@; = G /8*?*BI# C9+ 0 9 ?C@8 0@? A 0 ;+9= *+ +79 >*?9# *; =?0B9+ B9? *+ +79 +0C * = 094 0@?# ?B* # ; *C*; 4 9# 8*49B9 0 4AB9# 8*89 A ?0 +*8A# ?0B9E + B9? *440BC*; 9= >A 408=*+9 >8*4+? D # &/ .'!3& = @?@* A N# ?98 *+9# ?0B9+ B9? Q M ?98 *+9 08 H ?98 *+9# 8*89 A D #&&/ .'!3& 5 ?0B9+ B9? 08 D+'8#&.'" 9 5 -98A 8*89 A N D /"'3.'$/!9 5 @?@* A = ?+ ;4+# -98A 8*89 A 407989;+ G -82!#&#/5 -2!'/ : @?@* A N# ?98 *+9# B>8 4*+9# 7@+ 9R@* * ; = ? B @ *+ ; : *? ; : 9 ?98 9?# ?B* 98 +7* ; +79 ; ; 98 ?9C* ?# 8*89 A 08 D -2!'/ 5 -98A 8*89 A H# # 08 B $'.%/8#/`5 08 D #&&/ .'!3& 5 08 D 8/ #"$/5 ,9$/5 U4 I# -98A 8*89 A @; +9= D #&&/ .'!3& = *? B*; A *? C9+* ?# @?@* A N# 0CC0? +9 +0 +79 C9+* ?# -98A 8*89 A M D "#'!#&#/5 U4 I# 08 D -2!'/ 5 08 Q D # /2#/5 U4 I# 08 00 D+'8#&.'" $ E

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99=#9;+ 89 *;=4@+-98+ 4* A GB*: I

9+* B*: I,

8@ +

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&0/98GB*:I

:#!/ '8$/ B089 08 9?? 899# 08 @; +9= ; * B0;*=9 C70@? 40 @B; 98#:#'"& -*8 0@?# 899 08 @; +9=# @?@* A 95+ 08?9# H 49 9=# =9 ?49 49 0;: +@= ;* # +8*;?-98?9# 08 4 84@ *8 G $'.%/8#/ @?@* A # 8*89 A N G 3&2#8#9 5 /"23.'$/!9 5 #> ,"/9"'/ 5 08 Q HN G #!#/23"/5 2#/)3$'8#/ 5 08 G+'8#&.'" # 5 08 H G #&&/ .'!3&5 -2!'/5 $'.%/8#/ &$-!'&+98B ;* # ? BC 9 08 0>9=# 0 +9;>940B ;:>*? *8 80B+79 4@8-*+@89 0 +79 0-* A 3(9!'& ?0 +*8A ;+79 4*8C9 ?# 7* *;*+8OC0;?# D09 +*+9 A *++*479=+0+79 -9;+8* ?@+@89 0 +79 4*8C9 # 08 -98A 8*89 A *;*+8OC0@? #'"3.-!' ?@C98 08# 2%/!/J/ *4 ;:+79>*?9 0 +79 0-*8A C9 =8@C*490@?# ?9?? 9# 08 ?+ C +*+9 ?4*8 0 +A 9 ?@>+98B ;* # 9549;+8 4# 2/ B089 0 +9;?@> >*?* 9;=04*8C ?+8* :7+# 08 0 +9;4@8-9= F9 * 7088?9 ?709# / +7 +?-9;+8* ?@8 *49 ;+8@=9=*?* * 79B ?C798 4* # C9 +*+9# 08 *++9;9=C8OD94+0;# +0 /7 47 +79 ?99= ?-9;+8* A *++*479= 0 +79 08B 0 +79 4*-+A# 40;4*-9 08 @880/9=0;+?-9;+8* ?@8 *49/ $'&$/ +7 ;# B9B>8*;0@? /!,9 '8 B089 08 9?? 0C 0@?# ?0B9+ B9? 8@B ;*+9 D 8/ #"$/5 ,9$/544=#52 5 08 G /2%-738'5 3$"-3.&#&5 "#)#&#/5 U4 I " - ! @?@* A 4@8-9=# 8*89 A ?+8* :7+ G 83 3&.'" 9 "/)#)' *4 ;:+79 ?4*8 0 +79 ?+A 9 23$-!'K)38& ;9*8 *;= 40;+ :@0@?# 08 *8:9 *;=+7 4F# 08 0 *490@? *;== -*8 4*+9

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+'8#&.'88'# 7/0 5 2-0=7 ,03 62 838/2'2'5 /")#J2$,/!'/#5 '(%'"#)'2 7*3 2+J/8)"'2'5 .0=7/0 52**05603 8,6. /")# !/!'2'= ;=6.0,/ .=121067,-:6 8 2 -0/,7 0 -017 -7*3 1067 -4-47 =*/24730 1.24- -67:0*-0G6/2/-0 7*6.0/-3,-6,*56 7*3 0-.=57/10-8223=68,*,*+-60:7 60/*760 0G-6,14 760 7*3 -2:06,:0-52:124*3 07?0-D 8"/&/#/ 7*3 3,5,*24-/750:03 280/-J ;46,* /")F/,/!' A 6.0 57/10 - *07/=7 8 7=-52*67,*-0?0/7 2?4 0-57660/03 2?0/6.0 8 7 -2 7 6.0 2?7/='7*3 6.0 0:;/=2,-:,*460 76 6.0;7-0 2 7 ?0/=7;4*37*6 .2:=7;4:0* '"%'"#)2 7/0-,:,7/=/0 7603;46 3, 0/,*6.0,/N 280/- /00 ,7:0*6-6.0 30.,-50*50 2 6.0,/7*6.0/-6.0,/ -2,67/= 57/10 0/056 -60:10**,*0/?03 07?0- "0 8 /2':&7/0 52,/*05603 8,6. +'8#&.'" '2'' ;=6.0,/82 3=-60:7 60/*760 7*3 0G-6,14 760 07?0- 2 60*3,5,*24- 280/- ;=12+=*24- T -0/,760 1067 -0G6/2/-0 7*6.0/- /00 2 60* 2?4 03 7*3 0-.= 57/10 -J 6.0=7/0 3,-6,*+4,-.03 /2:6.0:;=6.0,/.7;,6 ,* 2/0-50*50 7/2:76,5 2324/ /7/0=5, ,;,*+ -60:10**,*0/?03 07?0-/4:,*760 7;4:0* "5 2%#J/8)"'2 711/275.+'8#&.'" '9 ,* 6.0,/ 8223= 5,:;,*+ -60:7 60/*760 0G-6,14 760 07?0-3,5,*24- 280/- -0?0/7 -0/,760 -017!- 7*3 1067 - 0G6/2/-0 7*6.0/-7*3 /00 57/10 - 0-.=8.0*/,10 6.0=7/0 3,-6,*+4,-.03 ;=6.0T 2?4 03 2?7/,0-6.0 -6/7,+.6 :,*460 0:;/=2 76 6.0;7-0 2 7*7;4*37*6 7;4:0*7*3 6.0 10**,*0/?03 07?0- +'8#&.'" '/1/,*5,17 =,*.7;,6 6.0,*60/6/21,57 /0+,2*-2 ';26. 82/3- 08 7/0 :06 8,6.,* 2/6. :0/,6 7 O0-60/* -,7 246. ,,57 7*3 0G6/7 6/21,57 4-6/7,7J *2*0,* 4/210

.,- 7:,=.7- -0?0/7 -105,0- 4-03,* :03,5,*0J -2:0 12--0 --7 .,660/ 1/,*5,1 0,* 6.0,/ /226 8.,5. 6,:4 760- 6.0 3,+0-6,?0 2/+7*-J 26.0/- 7,0 75/,3 7*3 3,4/06,5 7*=52*67,* ,* 6.0,/ .0/;75024- 2/+7*- 7* 7;4*37*6 0:2 ,0*6 :45,7+0 .0 10/,57/1 2 -2:0 ,- *7/526,5 75/,3 7*3 ?0/=12,-2*24- 3229!9& ./! /$9& ,-7 6/21,57 /,57* 7*3 737+7-57/ 10/0**,7 8.2-0 64/*,1 -.7103 /226 D6.0 7 4:.7 /226 2 52:0/50 ,- 2*0 2 6.0 :2-6 0 ,575,24- 2 62*,5- 7*3 1/0-5/,;03 2/ 2;-6,*760 52 ,5 3=-0*60/=7*3 -,59H *0--J ,6 ,- 734 60/7603 8,6.'26.0/ /226- /2:' *3,7 7*3 7/;7/='8.,5.';07/ ,6-*7:0 8,6.246 .7?,*+ ,6-1/2H 10/6,0- ' 8!$/$9/5 2 7 7;7/'7*3 ' #/"'/2 &5 2'6.0 2 4557 '7/0 6.0;0-6 -4;-6,6460- 2/ ,6 :2*+ 6.0 /7M,,7*+ #/.'" '2& 8,6.'7.,660/ 62*,5 /226 7/0 322#)9& .!/#-.%-!%#&5 8'"/&2 /5 7*3 #&&/ .'!3&

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9(/!#:3!#/' /"'#"/',-7-246.0/* /7M,,7*-.*,.'6.0/22626'8.,5.'57 03'0 7/0,/7 /7?7#,-8223='*H 232/24-'2'7 67-60 76 ,/-6 :,3'6.0*'.,660/7*3-2:08.76 75/,3J,6 87-2/:0/=/0*28*03 7-7 6.26/,16,5' 7*3 ,-6,'4-03 ,*' 7/6,*,>40 7+7,*-6 6.0;,60 2'6.0 /,+242501.7 4-' #&&/ #*!3& 9/.',/ /2:'6.0 *6, 0-' 7*3 ' /2:'6.0 7-57/,*0,-7*3-'7/0 4-03 7- -4;-6,6460- 2/ 6.0 7/0,/7 /7?7 .0 /226 2' 3&2#8#9 ':'8'&$"/$9 5 2' 0=2*',-7 -62:75.,5' .0 *0+/2- 2' 0* +7:;,7 0:1 2=6.76 2' 3229! ' /F#& 7- 7 3,4/06,5 7*3 0;/,4+0' .0 /226- 2' #&&/ .'!3& 7!/%$"8 '7*3 '%"/2$'9$9& 7/0 73H :,*,-60/03 ,*' /7M,',*57-0- 2'-*790 ;,60-' 9229!9& 2"#&.9&5 2'6.0 2 4557-'52*67,*- 7 + 46,*24- 7*3 ;,660/ 4,50'52: :2*=4-03 ;='6.0 *3,7*-,*',*60/:,660*6 0?0/-' 74*3,50'7*3 ,*60-6,*7'82/:-

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'"%''"#)'8'' 760 5 2-0 =' 7 ,03'62 /")#J/%/!'2''D-00'6.76'2/30/ E 6.0' +0*4-' '", '"#)3.&#&5 2 '8 .,5.'6.0' 20 03' 2?7/=' 8,6.' 6./00' 17/,067' 1 750*67-' ,-' 7*' 0G5016,2*' 62' 6.0' *2/ : 7' '#>,'"#)'2'5 0-67 ; ,-.0-' 6.0' 17--7+0' 2 '6.0-0' 62' /")#J/,/!'''5 6./24+.'6.0' +0*4-' 1'2/#&8'/5 2 ' 8 .,5.' 6.0' 57/10 -' 8,6.' 6 8 2' -0/,0-' 2 ' 2?4 0-' +710' 8 .0*' /,10' '", '"#)'2'' 7 -2' 711/275.' + $#7 !#/2''"&,*' 6.0,/' .=121067,- ' 6.0' 3,-6,*56' -0?0/7 ' -0/,760' -017 -' 6.0' 73*760' 7*6.0/-' 7 ;4 : ,*24-' -003' -6/7,+.6' 0 : ; /=2' 8223=' -60 : ' 7*3' 7 60/*760' 07?0-' 8,6.' 5734524-' -6,14 0-J ;46' + /783!#/2''' 3, 0/',*' 6.0,/' .7 ;,6' -50*603' 8223' 12 =7*3/=' 7*3' 6.0' *4 : ;0/' 7*3' : 230' 2 '30.,-50*50' 2 '6.0,/'57/10 -' '", '"#)'2'' /0-0 : ; 0' /8982#)/2'2&D-00'6.,-' 2/30/F' 7*3' - ,+.6 =' /.//(2"/''2&5 8.,5.' 3, 0/',*' .7 ;,6' : , .=' 4,50' 60/ : ,*7',* 2/0-50*50' 12 =7*3/=' ,*6/2/-0' 7*6.0/-' 7*3' 6.0' -6/4564/0' 2 '6.0' /4,6 7*3' -003' '", '"#)'2'' .7?0' 7 -2' -2 : 0' 7*7 2+,0-' 8,6.' 838/2'2'5 24*303' 2*' 6.0' 60/*7/=' 7//7*+0 : 0*6' 2 '6.0' 280/' 6.0' /00' -017 -' .=12+ : 24-' T -0/,760' 1067 -' ,-2-60 : 2*=' D 3'/2 ') 5 73*760' 7*6.0/-' 6.,59' 571,6760' 7*3' 2 60*' -0--, 0' -6,+ : 7' 6.0' 0/056' 7*76/2124-' 2?4 0-' 7*3' ;0,*,03' /4,6J ;46' 838/2'2'' 7/0' 3,-6,*+4,-.03' ;=' 6.0,/' .7 ;,6' 6.0,/' 3,-6,5.24-' 0*6,/0' 2 60*' 5 , : ;,*+' -60 : ' 60/ : ,*7' 4-47 =' 12 =7*3/24-' 280/-' 6.0' 60/*7/=' 57/10 -' 7*3' /4 : ,*760' 7 ;4 : 0*

'", '"#)'2'' +/28',*' 6.0' 60 : 10/760' /0+,2*-' 2 '6.0' *2/6.0/*' .0 : ,-1.0/0 '6.0' *30-' 7*3' 0G6/7 6/21,57' 246.' : 0/,57' .0=' 7/0' 7 ;-0*6' /2 : ' 6/21,57' 7*3' 246.' , /,57' 4-6/7 ,7' 7*3' 08' h07 7*3 .0' ;0//,0-' 7*3' .0/ ;75024-' 17/6-' 2 ' '", '"#)'2'' 52*67,*' /00' : 7 ,5' 75,3' J 6.0' /226' 7*3' ;7/9' 2 ' -0?0/7 ' -105,0-' =,0 3' 7' =0 28' ;,660/' 0G6/756,?0' D, '", '"#8' ' 12--0--,*+' 1/210/6,0-' 7*7 2+24-' 62' 6.2-0' 2 ' /.4;7/;' .,-',-'0-105,7 =' 6.0' 57-0' 8,6.'6.0' 52 : : 2*' 7/;0//=' D '", '"#&(9!7/"#& 5 7'-./4;'8.,5.' +/2O-' 2*' 57 57/024-' -2, -',*' 4/210' 7*3' 2/6.0/*' -,7J' 6.0' 6,*564/0' =,0 303' ;=' 6.0' ;7/9' 5 ',6-'/226' 7*3' -60 : ',-' 14/+76,?0' 7*3',6-' =0 28' 52 24/',*34503' 32562/-' 2/ : 0/ =' 62' 73 : ,*,-60/',6' 2/' 74*3,50J',6-' 75,3' ;0* ,0-' 2/ : ' 7' ?0,=' 1 07-7*6 1/0-0/?0' 7*3' 6.0' =24*+' 75,3' 7-6/,*+0*6' 27?0-' 7/0' 4-03' 62' -6/0*+6.0*' 6.0' +4 : -' ':/&2#29!/"#&DA+/%38#/' ,-' 0-600 : 03',*' 7 ,2/*,7' 2/',6-' : , 3 =' 75,3' ;0//,0-' .0' 8223' 2' 6.0' *3,7*' 7*3' 246.' : 0/,57*' '", '"#&',-' 4-03' 7-' 7' 3=0' A ' -2#9 5 6.0' -2#9 '#8)#'9 ' 2 ' ,2-52/,30-',-' 4-03' 62' 6.,-' 37=',*' *3,7' 2/' 21.6.7 : ,7 B *S .0' "33$' 2 ' / 9%.%- 9 '$%/!#'$"3#)'&',-' ?7 403' 7-' 7' -432/, ,5',*' 2/6.' : 0/,57' 7*3',6-' -003-' 2/ : ' 7' -4 ; -6,6460' 2/' 52 00' 382@/")#/' %"-&37 9 ' +/28-',*' /0050' 7*3' 6.0' 7-6J ,6-' 07?0-' 7/0' 0760*' ,90' 6.2-0' 2 ' -2//0 J',6-' /226' 87-' 2/ : 0/ =' 52*-,30/03' 7*' 7 0G, 0/' .0' 12830/03' /226' 2 ' '38$#'' ' #$3.'$/% #5 7' 1 7*6 2 ' -,7' ,*2/',-' 4-03' 76' 0112' 7-' 7' -271' 2/' 5 07*,*+' -64 -J' 6.0' 4/9-' 7 -2' 4-0',6' 7-' 7' 52//056,?0' 2/' 7*' 2?0/32-0' 2 '21,4 : ' 3)3.%-!!9 '.2 /$9 5 /2 :' 2/6.' : 0/,57' 52*'056-' '", '"#)'2'' 8,6.' /./('"/''2'E,6-'.0/;75024-' 17/6-' 7/0' *7/526,5' 7*3' 12,-2*24-J,6-'/226' 52*67,*-' 7' ;,660/' +04 : /0-,*' 8.,5.' 14/+0-' 7-' 0 056,?0 =' 7-' 7 71J',6-' ;0//,0-' 7/0' ?0/=' 75,3' ;46' : 7=' ;0' 0760*' 8 6.' ,: 14*,6=' 7-' : 7=' 6.2-0' 2 '"4 %# ')/-'8&'' _8.,5.' 7/0',*-,1,3 B *S

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/ ; ; :# 0' 8*89 A' 9894+' - ' D1'2/#&8'/ 5 >8*;479?' ?+8 *+9 ' M ' * +98;*+9# 40BC0@;=# M +98;*+9' D!/")#J/,/!/ 5' 0' 6 0 0 *+9' D 3M9#!/5 /"(/$#/ 5' 0' C ;@*+9 ' D1'2/#&8'/! 5 3'')#7#$&#$'' D F',#/5 3!,<!!#/ E !'/:!'$& +00+79=' 0' ? ;@*+9# C9+ 0 9?' *;=' C9+ 0 @ 9?' ?/0 9;' *+' +79' >*?9' *;=' +0C# 95?+ C@ *+9 ' # * ' = 4 ;0@?' 0' C0 AE :*B0@?# ;' ?0 +*8A' 0' *?4 4 9=' *5 *8A' 8*49B9?# ;*F9=' 0' >8*4+90 *+9 ' * ' S' "$' 40 0@89=# N C7A 0@?# ?98 *+9# 0' 8*89 A' M C7A 0@?' D F',#/5 ?9?+ -*+ 0;' BE >8 4*+9# +79' 0@+98' ?9C* ?' 0 +9;' -* -*+9 ' : ' ,& ;?98+9=' 0;' +79' 8949C+*4 9# B@47' ?B* 98' +7*;' +79' ?9C* ?# 0' ' = ' N# ;?98+9=' 0;' +79' 8949C+*4 9# 0CC0? +9' +0

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/")#//%/!'2& 711/275. '", '"#)&2'" ,*' 6.0,/' .=121067 ,- : ' 1067 2,3' -017 -' 7*3' T -0/,760' 1067 -' ,-2-/0 ' : 2*,-/7' 0G6/2/-0' 7*6.0/-' ;0//,03' /4,6' 7 ;4 : ,*24-' -003' 7 60/*760' 52 : 124*3' 07?0-' 713' /750 : 03' 280/-J 6.0=' 3, 0/' ,*' 6.0,/' 3,5 ,*,- : ' 4*,603' , 7 : 0*6-' 7*6.0/-' 30.,-5,*+' 2*+,643,*7 1/' 7*3' -0?0/7' 57/10 -

2/' 6.0' 7 ,*,6=' 8,6.' + '8#&.'" ' 5' -00' 6.76' 2/30/ ' ,7/ " 7 7 05L' 7 -2' 711/275.' + /783!#/2' ' ' 6.0,/' 60/*7/=' 10/,7*6. ' .=121067 ,- : ' 0G6/2/-0' 7*6.0/-' /00' 57/10 -' 7 ;4 : ,*24-' -003-' 7*3' ;7-, 7/' 0 : ;/=2' J ;46' ,*' + /783!#/2'3]'6.0' -60 : ' ,-' *26' 68,*,*+' 6.0' 07?0-' 7/0' 7 87 -' -, : 1 0' 7*3' -6,14 760' 6.0' 280/-' 7/0' 4-47 =' [' 7*3' 12 =7*3/24-' 6.0' 2?4 0-' 7/0' 52*-67*6 =' 76675.03' 62' 6.0' ?0*6/7' -464/0' 7*3' 6.0' /,10' 57/10 -' 7/0' 2 ,5 0-' 2/' -7 : 7/7-' .0' 7 ,*,6=',-' : 2/0' : 7/903' 8,6.' 2%#J/8)"' 2' 5 8 .,5.' 7/0' -7/ : 0*62-0' -./4;-' 8,6.' 7 60/*760' 0G-6,14 760' 07?0-' 3,5 ,*24-' 280/-' 60/*7/=' /00' .=12+=*24-' 10/,7*6. -0+ : 0*6-' ,*' T -0?0/7' -0/,0-' 0G6/2/-0' 7*6.0/-' /00' ;0,#/,0357/10 -' -003-' -4*9',*' 6.0' 14 1' 521,24-' 7 ;4 : 0*' 7*3' ;7-, 7/' 0 : ;/=2J' ;46' ,*' W+J/8)"'/# 6.0' 07?0-' 7/0' -, : 1 0' 2 60*' 10 45,3 =' 326603' 6.0' -67 : 0*-' 7/0' *4 : 0/24 -' 6.0' 57/10 -' T ' 2?4 03' 7*3' 6.0' 2?4 0-' 76675.03' 62' 6.0' ?0*6/7' -464/0

.0' : 7 2/,6=' 2 ' /")# %/!'2& ,*.7;,6' *3,7' .,*7' 7*3' !717*J /")# %/!/' 7*3' 3M9#!/' 7/0'
.,,7*

/")#J/%/%3d' 52*67,*' *0,6.0/' 7' ;,660/' *2/' 7*' 7/2 : 76,5' 1/,*5,1 0J' 6.0,/' ;0//,0-' 7/0' : 45, 7+,*24-' 7*3' 0767; 0J 6.0' 280/-' 2 ' : 7*=' 7/0' -50*603' .0' 017 0-0' 076' 6.0' /4,6-' 2 ' 3!,2)!#/' !/$#:3!#/5' 7*3' 6.0'
.,,7*-' 6.2-0' 2 ' /")#J/%/!/' 7*3' 3M9#!/J _6.2-0' 2 ' 1'2/F8'/' 7/0' -8006' 7*3' 0-.=' 7*3' ?0/=' +/760 4 B ¶ ' .0' -.226-' 2 ' /")#J/,/!/5' 17--03' 6./24+.' ,/0' 7*3' : 750/7603',*' 8760/' 2/ : ' 52/3-' 2 ' +/076' -6/0*+6.

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= (E : (V' 22' %-.37-839&' 3'' .'"#7-839&5, 0' #8&'"$')' /$)#::'"'8$ %'#7%$&' 38' /' $3"9&' '8('!3.#87' $%'' 3('!#'&/8)' 3'"' 3'' !'&& 98#$')' <#$%' $%' ' = 9&9/!!-' 89 '"39&5 #8&'"$')' <#$%' $%'' .'$/!&' # ' &'('"/!5:"'' 3'' 23%'"'8$' - ' /' %'""-' ,9"&$#87' #""'79!/"!-5 3'' /8' #8)'%#&2'8$ 89$' = :9"8#&%')' <#$%' /')39,!' /),9 '8$ 3'' "/"'!-' '?/!,9 #839&' M9/$#2' %

R@*+ 4' ! '' "33$&$32% C989;; * # ?@>B98:9=# +@>980@?# 4899C ;:# / +7# ?0B9E + B9?' B FA' D@ 49# 9B ++ ;:' 9*-9?' *;=' H 0/989=' ?4*C9?# 8*89 A' 0*+ ;:' >8*;479?' B "/&'8#/ ' ' * +98;*+9' 08' 0CC0?+9# 0;: C9+ 0 9=# > *=9' 0*+ ;:# 8*89 A' 9B98:9=' B '!9 ,#9 5@?@* A' 408=*+9 C9 +*+9# ?0B9+ B9?'0> 0;:' 08' ;9*8' B /"2!/-/ 5' 0 +9;' = ??94+9=' *;=' 4*C *8A' ;' +79' ?@>B98:9=' 9*-9?' G /,3 %/ ' 0 8 ' *8:9' d# 89:@ *8# @?@* A' 0*+ ;:# 8*89 A' 9B98:9=' D '!9 ,#9 E .')982!'&C#?#¥!/5"-5 H 0/989=' ' @?@* A' % E <' 8*89 A' (' B /,3 %/5 "/&'8#/ ' 2 ' B>8 4*+9' ;' B?+ -*+ 0;# @?@* A';@B980@?# 8*89 A' (' D /,3 %/ E ?0B9+ B9?'* ' 899' *;=' 7AC0:A;0@?' D 9.%/" ' ?0B9+ B9?' * # 0' +79' ;;98' 0; A# ;?98+9=' *+' = 989;+' 79 :7+?# 0;' *' +08@?' 9;4 0? ;:' +79' 4*8C9 ?' - ' ! &' 08' 8*89 A' <' D /,3 %/ 5 ;?98+9=' *?' +79' C9+* ?' J /8$%'"&' 9894+# 40;;94+ -9' 40;+ ;@0@?' / +7' +79' *B9;+# 49 ?' *=;*+9# 0C9; ;:' >A' *' 0;: +@= ;*' ? +# ;+8O8?9# 08' 8*89 A' 95+8O8?9' D /,3 %/ ' ' &' 08' H # 8*89 A' (%' D /> %3 ,/5 ?0B9+ B9?' = ?+ ;4+' D /,3 %/5 "/&'8#/ 5 ?0B9+ B9?' 40798;:' ;' *' / 708 # *;=' 08B ;:' *' ?9-98* 49 9=' 0-*8A# 9 +798' 899' *;=' ?@C98 08' D 9.%/" 5 08' *=7989;+' +0' +79' +08@?# *;=' +79';' ; 98 08' 08' 7* ; 98 08' D - .%2'/5 6#2$3"#/5 9"-'/!'5 U4 I# ?0B9+ B9?' ?@;F' / +70@+' 08=98' ;' +79' * -90 B' 0' *;' 0>40; 4' +08@?' D '%$ %#9 ' &$#7 /& 9 +798

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3,-6,*56' G '!9 %#9 5 <,3 %/ 5 2/' 4*,603' ,*62' 7' /73,76,*+' 2/' 7**4 7/' 3,-9' G -"8.!9(85 9"-/!'5 6#2$3"#/ ' E 3(9!'& 7*76/2124-' 7667 5.03' 62' 6.0' 2?7/,7*' 87 -' 2/' 10*34 24-' 0,6.0/' /2 :' 6.0' ?0*6/7' -464/0' B /,3 %/5 "/&'8#/ 5 2/' /2 :' 6.0' 621' 2 ' 6.0' 50 ' D '!9 %#9 ' ,10' ' ,*30.,-50,,6' 3,-6,*56' 2/' 4*,603' ,*62' 7' 0-.=' 14 1=' 2/' -12*+=' /4,6' ' 7/, 760' 2/' *7903J /!,9 '8' 521,24-' 24/=' 2/' 0-.=' 2/' ?0/=' /7/0 =' $' G '!9 %#9 ' " - ! ' -6/7,+.6' 0*5 2-03' ,*' 6.0' 0 : ; /=2*,5' -75' -4*9' ,*' 6.0' 7 ;4 : 0*' 7*3' 6.4-' 2/ : ,*+' 7' -052*3' A7 ;4 : 0*' J 23$-!')38&' 6.,59J "/)#2!'' ?0/=' -.2/6

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*- .%2'#8'&& 711/275. 6.0 12 =1067 24- .=12+*24- 71257/124- 7 :,0- 7 6.24+. 6.0 1/,*5,17 +0*0/7 7/0 -=*57/12,,- 7*3 6.0 2??/= ,- 73.0/0*6 62 6.0 62/4- .0 -4; 2/30/ 2 -#8.% /2'2 , - 7 ,03 62 /./('"/2'A ,* 6.0 :7*= 2?C4 03 2??/= A8,6. 1 750*67-C2* 6.0 -0167 /73,76,*+ -6,+ : 7- 12 =7*3/= 7*3 6/4 = :, 9= !4,50J ;46 , - 3,-6,*+4,-.03 ;= ,6- /0>40*6 10/,+ :,- : 2/ 01,+=*,- : 7>476,5 .7;,676 7*3 0-105,7 = 6.0 0 :;/=2 A8,6. ,6- 0*?0 21,*+ -75 ;0,*+C, : :0/-03 ,* 7 -410/ ,5,7 57?,6= 2 6.0 7 := 75024- 7 ;4 : 0*J 6.0 7660/ ,- 7 :2-6 6.0 2* = 5.7/7560/ 8.,5. 3,-6,*+4,-.0- /,3 ,'2& /2 : / 29!/2'2' - .% 2'W 7?0 7 -2 7 /07 7 ,*,6= 8,6. /""/2'8#/2'2' D-00 6.76 2/30/F

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2 -0 : 2/ / . 7+0J ,6 ,- 7 -2 4-03 ;= *4/-0- 62 /03450 6 . 0 -05/06,2*- 2 : , 9 7*3 ,6- /226-6259 ,- 0760*- ,*- 4--,7 7*3 ,* 7*3 . 0 -7 : 0 ,- 6 . 0 57-0 8 ,6 . 6 . 0 : *6 -6259 7*3 -003- 2 9"#@/!" : '$>3?5 7 *76,?0 2 *3,7 7*3 54 6,?7603 ,*- . ,*7 4*30/ 6 . 0 *7 : 0 2 ,6024 . 0 + / "9"95 303,57603 62 6 . 0 k400*- 2 *+ 7*3 D 062/ 7 ,- 6 . 0 : 2-6 ;0746, 4 2 6 . 0 - .%$. /222'" ,6 , * . 7 ; ,6- 6 . 0 6/7*>4, 8760/- 2 6 . 0 7+4*0- 2/ : 03 ;= 6 . 0 2?0/ 28 2 6 . 0 7/+0 /,?0/- 2 246 . : 0/,57 6- 07?0- 7/0 276,*+ 7*3 10 6760 6 . 0,/ 5,/54 7/ ; 730 ,- T E 006 ,* +,/6 . 7*3 ,6- 03+0 T ! $,*5 . 0 - . ,+ . J 6 . 0 4110/ -4/ 750 ,- 2 7 ; /, ,7*6 37/9 +/00* 6 . 0 4*30/ 2 7 /03 ; /28* 4/*, -. 03 8,6 . 7/+0 /06,54 7603 1/2 : ,*0*6 50 4 7/ /, ; - 2 7,/ 7*3 ; /, -6 ,*+ ,90 6 . 0 106,2 0 7*3 1034*5 0 8,6 . 0 7-6,5 1/,59 0- . 0 280/- 8 . ,5 . /, -0 7 08 ,*5 . 0- 7 ; 2?0 6 . 0 8760/ 7/0 : 2/0 6 . 7*' ($,*5 . 0- ,* 5,/54 : 0/0*50@ 76 ,/-6 2 7 14/0 8 ,,60 ,*'680*6 C 24/ . 24/- 6 . 0e -4550--,?0 = 17- 6 . /24+ 17 0 1,*9 65 ; /,+ . 6 /03 E 6 . 0=0G . 7 0 7* 7+/007 ; 0 -50*6 34/,*+ 6 . 0 ,/-6 37= 2 6 . 0,/ ; 2--2 : ,*+J 76 6 . 0 0*3 2 6 . 0 6 . ,/3 3,,e 6 . 0 280/ 8 6 ,0/- 7*3 -,*9- ,*62 6 . 0 8760/ 62 /,10* ,6 - 003- . 0 /4,6 8 . ,5 . ,- ,* 0/,2/ 7667,*- 8 ,0* /,10 6 . 0 -,M0 2 7 7/+0 301/0--03 711 0 52?0/03 8 ,6 . 1/,59 0- . 0 -003- 8 . ,5 . 7/0 9*28 * ,* 6,,0 1/2?,*50 2 2//,0*60- 7- $2/$'" /F'5 7/0 /,5 . ,* -67/5 . 7*3 7/0 /27-603 ;= 6 . 0 *76,?0- 8 . 2 52*-,30/ 6 ,0 : 0G50 0*6 223 "' '8#/ . '!$/$/ ,- 4-03 ,* 2/6 . : 0/,57 7- 7 : , 3 7-6/,*+0*6) 8%#9 &. '2#3 '87- 6 . 0 264- 2 '6 . 0 +=16,7*- J ,6- 07?0- 10 6760 7*3 -7450/ - . 7103 7/0 /01/0-0*603 2* 6 . 0,/ : 2*4 : 0*6- 7*3 6 . 0 -67640- 2 6 . 0,/ +23- J ,6- 1,*9 280/- /0-0 : ; 0 0*2/ : 24- 64 ,1- 7*3 ,6- /4,6 . 07/,*+ 1034*5 0- -0/?03 7- 7 : 230 2/ 6 . 0 52 4 : *- 2 6 . 0,/ ; 4, 3,*+- . ,- -105,0- +/28- ,* -0?0/7 17/6- 2 -,7 7- 7/ 7- 6 . 0 : 246 . - 2 6 . 0 2 +7 ; 46 ,- *2 2*+0/ 06 8,6 . ,* += 16J ,6- -003- 2/ : 0/ = 57 03 7- . $#/8 !' /8&5 -6, -0/?0 *- 223 62 6 . 0 *3,7*- 7*3 . ,*0-0 8 . 2 7 -2 4-0 ,6- 1067 - 7- 7* 7-6/,*+0*6 !9$' 8 ,* . 7 ; ,6- 6 . 0 7/+0 /,?0/- 2 24,-,7*7 7*3 7/2 ,*7

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989 ; ; * ! 4 ; 7*> + ; : +79 +@8 D ?C0 ; : A 70 : ? 0 08+7 B98 4* * ; = @ * ; *) >80@? * * 8*= 4* # / +7 *+@>@ *8 08 *BC708* ?7*C9= C9+ 0 9 > *=9 ?B* # 80@ ; =9=# @?@* A A ; : 0 ; +79 08 49 0 +79 C9+ 0 9 ; *F9=# 08 @8E ; ?79= / +7 *9/ >8*4+?# H 0 / 989= G /""/2'8#/5 1 /"!#87$38#/ 5 3" +98B ; *+9= >A * 9& 0 / 989= 8*49B9 G '!#/ .%3"/ 0 8 *8 : 9# ; 0== ; : \> 5 :"' '5 -98A B@47 B>8 4*+9= *+ +79 >*?9# ?@> C9+* 0 =# C98? ?+9 ; + 2 # :"' '5 7AC0 : A ; 0@?# B>8 4*+9# =94 =@0@?# 8*89 A $ G '!#/ .%3"/ - ! &7AC0 : A ; 0@?# 899 :#!/ '8$& 08B /8$%'"& 49 9=# -98?*+ 9# 0C9 ; ; : , - 0 ; : +@= ; * ? +? % 899# M 49 9=# C *49 ; +*?* C80B ; 9 ; + * +79 ; ; 98 * ; : 9 0 +79 49 ? &$-!' +98B ; * # ?708+# ?0B9+ B9?= *+9= * + +79 +0C# *? * *; : 9= 08 0>9= C9+* 0 = C*8*?0 / +7 8*= *+ ; : ; 98-9? G /""/2'8#/ 5 08 =# 0>9? C*880 / # ?C89*= ; : # 89 959=# ?+ : B*+ 980@? G1 /"!#87$38#/ 5 08 0>+@?9 * ; = +98B ; *+9= >A * ; 0>?4@89 A M 079= ?+ : B * B : : '!#/ .%3"/ E 3(9!'& ; @B980@?# B* ; A ?98 *+9# ?@> 708 <0 ; +* # *; *+80C0@?# 8*C79 *+98* N 49 9=# 04@ 4 =* A M -* -9= ? B * +9?+* 48 ; ?+*490@?# ?0B9+ B9? 00?9 A 89+ 4@ *+9 G1 /"!#87$38#/ 5 08 B9B >8* ; 0@? * ; = / ; : 9= G '!#/ .%3"/ /!,9 '8 40C 0@?# 9?7A " - ! B ; @+9# ; 9*8 +79 7 ; B

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'6 . 0' 1/210/6,0-' 2 ' /""/3 #/2''' ,66 0' ,-' 9*28*' /""/2'8#/'"9%"/' . 7-' ; 00*' ?74*603' ,*' 7*737' 7-' 7' -105, ,5' 7+7,*-6' - : 7 12G' ; 46' . 7-' *26' 1/2?03' -45 . ' . 0' 1,65 . 0/ - 7103' 07?0-' 7/0' 0 056,?0' ,*-056' 6/71-@ 7' -4+7/=' -05/06,2*' 0G430-' 76' 6 . 0' : 246 . ' 2 ' 6 . 0' 1,65 . 0/' 7*3' 766/756-' 6 . 0 ',*-056-' 8 . ,5.' 30-50*3' 280/' ,*' 6 . 0' 64 ; 0' 8 . 0/0' 6 . 0=' : 006' 8 ,6.' 7' ; 0 6' 2 ' /0 0G03' . 7,/-' 8 . ,5.' 75, ,6760' 6 . 0 ,/' 30-50*6' ,*62' 7' 8760/=' 4,3' 6 . 76' , -' 6 . 0' ; 2662 : ' 2 '6 . 0' 57?,6=' 7*3' 76' 6 . 0' -7 : 0' 6, : 0' 1/0?0*6' 6 . 0 ,/' 0+/0-- B ,F S

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"'79!/"5 9&9/!!-' %-:37# 838&' - ' 2 ' !#-.3--839&5 :"''' % ' N>2'!!')5 <#$%

./"#'$/!' .!/2'8$/&A' /8->3(9!')"' " ' 2/.&9!/'" 3'" &#!#M93&'' ' /!,9 #839&' " -! ' #89$'5 , / &#!/ " % ' " , / 2 ' 3 9 & # ' /!$'"8/$'
; ;@* 08' C989; ; G#' ! ! 4 8*89 A' ?@ 8@+9?49;+' D 3$238#/5 '8)"3 ''38'%D@ 49'
B FA#' A9 0/#' / 7 +9#' 08' 89=#' 8*89 A' / *+98A' G &2%&2%3!$J#/5 #988' /88#/5 !/$-&$' 385'
U4I_' ' * +98;*+9#' ? BC 9#' C9; ; ;98-9=#' +00+79=' 08' C0%; 0>9=' F (
' +98B ;* '' .')982!'& @?@* A' H 0/989=#' 8*89 A' 79*8 ; :' *;' @B>9 *+9' 4AB9'
D %'!#)38#9 ' 3'" .&# 2!'" A 3223-##/5 +/2!'-/ ' 2 8 ' #' 89:@ *8#' A9 0/' 08' 89=#'
-98A' 8*89 A' > @9' B+'2383.&#& /!!#2%##5 "5F' ' ' G8*89 A' (F' 899#' 08' -98A'
8*89 A' 407989;+' ;+0' *' 4*C' G &2%&2%3!$J#/ 5 *+98* # 0-98 *CC ; :' 9*47' 0+798#' 4*=@40@?'
2 ' 7D6C0:A;0@?# -98A' 8*89 A' C98 :A;0@?' G &2%&2%3!$J#/ 5 9R@* # 899#' @?@* A'
=0@> 9'+79' ;@B>98' 0 '+79' ?9C* D 8*89 A' ' 08' H # ?98 *+9' G /879#8/"#/ 5 8*89 A' '
G 32238#/5 +/2!'-/ 5 0 +9;'48@BC 9=' >9 089' 95C*;? 0,#+79' 0@+98' 9R@ +*;+' 0;'+79' ; ;98'
- ' 7AC0:A;0@?# -98A'8*89 A' C98 :A;0@?' G &2%&2%3!$J#/ 5 %'' '5 8&8/ ' 23 B*;A'
?98 *+9#' 8*89 A' N' H ?98 *+9' G !/$-&$#7 /54&'2$#38' +'238'!!/ 'A:#!/ '8$& 08B' /8$%'"&4
49 9=#' >*? 59=#' =97 ?49;49' 0;: +@= ;* ' + ' 40; ;*+9' ;+0' *;' 0-0 =' 08' 0> 0;:'
'H'49 9=' 0-*8A' C *49;+*?' '00# C*8 9+* #?0B9+ ;9?' C80 0;:9=' ;+0' -98+ 4* ' ;40BC 9+9'
?9C+*' G /./('" 5 ?0B9+ B9?' B*8: ;* ' *;=' 08B' G %'!#)38#9 5 "7' 38'5 3' '"#/5
U4 I' &$-!'' ?708+' 08' 0>?0 9+9'" &$#7 /&' *?' B*;A' *?' C *49;+*?# C98? ?+9;+#' B089' 08' 9??'
40; ;*+9#' ?@> ?9?? 9#' 08' *88*; :9=' ;' 8*A?' 0;'+79' ?@8 *49' 0 ' *;' 08> 4@ *8' = ?F' 08B9='>A'
+79' ?+A 9?#' *;=' / 7 47' 480 /;?' +79' 0-*8A' G / 8'"' ' 3(9!'& *;*+80C0@?# *?49;= ;:' 08'
708 <0;+* # B 480CA 9' ; 98 08#' 8*C79' ?@C98 08' 08' *+98* ' 569' ' -98A' 8*89 A'
= ?+ ;4+' G !/$-&$' 38 5 :9;98* A' 40; ;*+9' ;+0' *' 4*C?@ 9#' 08' 0;9 49 9=' ? R@*#'
8*89 A' 49 9=' 0/ ;:' +0' *' 49 @ *8' =9-9 0CB9;+' 0 '+79' C *49;+*?' G !/92#9 É 0C9; ;:'
9 +798' >A' -* -9?' >9+/99;' +79' C *49;+*?' G /./('" 5 08' ;' +/0' 08' 0@8' -* -9?' ?9C*8*+ ;:'
80B' >9 0/' @C/*8=?' G %'!#)38#9 5 08' 80B' *>0-9# =0/;/*8=?# 9*- ;:' +70' C *49;+*?'
95C0?9=' G !/92#9 5 %!3.%/"9 8 É 8* .9 A' 9?7A' /79;' A0@;:' G 32238#/E /879#8/"#/ '
' 9&9/!!-' ;@B980@?# 8*89 A' =9 ; +9' D+/2!'-/ 5 08' ?0 +*8A' G 32238#/5 :0>0?9' 08'
0-0 =# ?@> 89; 08B' D /./('" 5 08' 489?+9=' * 0;:' +79' 8*C79' D %'!#)38#9 5 U4 I' 08' ;0+'
/!,9 '8' 40C 0@?# 0 A' " -! ' B ;@+9#' >*? *8'" "/)#2!'' ;9*8' +79' 7 @B' *;=' 49;+8 E
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P 76=-60:2*'	*+A?+:@*	P 717?0/'	P /+0:2*0	X! 002*21-,-'
6=21.2/4:	' *%:@;*8*	P 2552*,7'	P 745,4:' '	20:0/,7 C
P .0,32*,4*,	@;;9B*;;*	X -5.-5.2 6M,7'	0*3/2:002*	

/./('"/2'2&7/0'5 2-0='7 ,03'62' 9 /"#92'2'5 8.,5.'7/0'2*='3,-6,*+4,-.03';='6.0,/',//0+4 7/'1067-'
6.0,/'30 ,*,60'4-47 ='3,730 1.24-'-67:0*-'7*3'6.0,/'*2* 2 07+,*24-'7 ;4:0*' .0='711/275.' "92#:'"2 ',*'
6.0,/' 280/' 2/:03' 2*'6.0' ;,*7/='6=10' ,*' .=121067,-:'17/,067'1 700*676,2*'571-4 7/'-, ,>42-0' /4,6'
12 =7*3/='D+'782/".W W#'5 7*3' 2, ='-003J ;46' "92#:W8#"' 7/0' 4-47 ='606/73=*7:24-'6.0,/' 2?7/='-'6 8 2'
50 03'6.0,/' 2?4 0-' 7/0' 57:1=26/2124-'7*3'6.0,/'-003' 0G7 ;C4:: 24-' /./('"/''2" 7/0' 7-2' *07/'
9829!/2'2'5 '",'"#)'2'5 7*3' - .%2'/2'2'' D-00' 6,0-0' 7:,,0-F' *0' :2*26=17' 7,2/*,7*' +0*4-'
/2--2-28*'1 7503' 7:2*+' 711/275.0-' ,*' ,6-C:2*2-017 24-' 57 =G' 12 =7*3/=
10/,+=*24-'1067-'7*3'-67:0*-'D7-',*' &2%&2%3!$J#/]5 7*3',*'6.0'-017/76,2*'2'6.0'57/10-'D7-',*' !/$-&$' 38'J
,6'3, 0/-',*',6-',-2:0/2*-'57 =G'7*3'52/2 7'7*3':46,,3'7/,'0*?0 21,*+'6.0'-003-
/./('"/2'2'',*.7;,6'6.0'60:10/760'7*3'-4;6/21,57'/0+,2*-'2'6.0'*2/6.0/*'.0:,-1.0/0J;46'0 8'7/0':06
8,6.',*'6.0'6/21,5-'2/'-246.0/*'.0:,-1.0/0'2:0'-105,0-'7/0'*28'3,-10/-03'2?0/'54 6,?7603'+/24*3'6./24+.H
246'6.0'82/3' .0':2-6',:12/67*6'2'6.0' /./"'"/222'' 8,6.':,9=' 4,50',-'6.0' /./('"&3 8#:'"9 5 7*

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7**47' .0/;' 7'*76,?0' 2' -,7' 6-' 4,50' 2;67,*03' ;=' 7' -410/ ,5,7' ,*5,-,2*' 2' ,6-' 571-4 0'7*3' 6.,590*03' ;=' 0G12-4/0',-' 3.#9 5 7' -4;-67*50' 52*67,*,*+' -0?0/7' 1/,*5,1 0-' 7/,3' *267; =' 7*' 7 97 2,3' G 3".%#8' 5 8.2-0' 1280/ 4' 1/210/6,0-' /0*30/' 6.,-' 2*0' 2' 6.0' *2-6' ?7 47; 0' 2' 3/4+-' 790*',*' 7' 7/+2' 32-0' 6,-' 7' 3073 =' 12,-2*J;46' .7;,6' /71,3 =' 80790*-',6-'756,2*' 7*3';=' 30+/00-'52*-,30/7; 0' >47*6,6,0-'57*';0'-87 2803' 8,6.',:14*,6=' /,0*67 -' 7*3' 0-105,7 =' 6.0' .,*0-0' 3/,*9' 5.08' 2/'-:290' 21,4:' 62' 1/254/0' ,*62G,57H 6,2*' 6.0' 37, =' /0*087' 2' 8.,5.';052:0-' 7' 87*6' 8.,5.' 6.0=' -76,- =' 76' 7*=' 1/,50' J 8.0*' 6.0=' -22*' 7' ,*62' 7' -6760' 2' 1.=-,57' 7*3' :2/7' 30+/7376,2*' /2:' 8.,5.' *26.,*+' 57*' /0-540' 6.0:

*' 6.0' *2/6.' 2' /7*50' 7' ?7/,06=' 2' ' &3 8#:'838',-' 7/+0 =' 54 6,?7603' 6.0' -003-' 2' 8.,5.' 7/0' ; 759,-.' 8.0*' /,10' 7*3' =,0 3' ;=' 0G1/0--,2*' 7' ;7*3' 2,' 4-03' ,90' 2,?0' 2,' 7*3' 9*28*' 7-' (%#$'' 3#!' 7*3' 3!'3!9 ' .0' 1067 -' 2' 6.0' ,0 3 211=' G ' %3'/&' 7/0' :45,7+,*24-' 0:2 ,0*6' 7*3' -,+.6 =' *7/526,5' #'!#)38# 8' / 9&#&' 7' 10/0**,7' .0/;' 24*3' ,*' 54 6,?7603' -126-' .0' =0 28' 7*3' 75/,3' :,9=' 4,50' 8.,5.',-' 7' 17/6-' 2' 6.0' 1 7*6',-' 4-03',*' 4/210' 62' 30-6/2=' 87/6-' 7*3' 62' /0:2?0' -1059-' 2*' 6.0' 52/*07J ,6',-' /0+7/303',*' /7M, P' 0,6.0/'/,+.6 =' 2/' 8/2*+ =' 7-' 0 ,575,24-' 7+7,*-6' 6.0' ;,60' 2' ?0*2:24-' -0/10*6-' .0' 4,50' 2' "7' 38'' '(#288/' 12--0--0-' ,6',-' -7,3' 6.0' -7:0' ?,/640-' .0' /226' 2' /879#88"#/' 2/8/)'8)&5 8.,5.' 52*67,*-' 7' /03' 4,50',-' 75/,3' 7*3';,660/' 7*3' 52 24/-' 6.0' -7,?7' 2' 7';/,+.6' /03E -0376,?0' 1/210/6,0-'-,:,7/' 62' 6.2-0' 2' #7#$/!#&' 7/0' 766/,;4603' 62',6' 7*3',6-' *7/526,5' -003-' 7/0' 52*-,30/03' 0>47 =' 1280/ 4' 7-' 6.2-0' 2' 1/$9"/' $"/ 38#9 'D .2/* 11 OF

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5 ' 8@ +?' O '= 989; +' ?7*C9?' O; '+79' ?*B9' C *; +

98>*49O@?# *; ; @* ' O8' C989; ; * # @?@* A' : *@4O@?' C *; +?# / +7' / *+98A' D@ 49 '
-' ?0B9+ B9?' +@>980@?# 8*89 A' ?*8B97+0?9 ' ' * +98; *+9# 4@+ ' " 8 '
' # 889: @ *8# +98B ; * # ; ' *' 8*49B9' O8' ?C F9# O8' ?0B9+ B9?' ?0 +*8A ' ' # *; +98OE
CO?+98 O8# 899# C9+* 0 =' O8' ?4* 9 F9# B>8 4*+9' ; ' >@=# 4*=@4O@?' 2 ' 7ACO: A '
; O@?# # 899' O8' 40; ; *+9' *+' +79' >*?9# ?98 *+9# +79' ' O@+98' *+98* # * +98; *+9' / +7' +79'
?9C* ?# = 98 ; :' 80B' +79' ; ; 98' *; =' 9R@ +*; +' @CO; ' +79B# 9R@* ' G -. '239 5 1#2'8$"/5
)!9 #/ ' O8' @; 9R@* # O; 9' >9 ; :' ?C@889=' O8' : >>0@?# +79' 0+798' *+# ' ; ; 98' C9+* ?'
C *49=' 480?? / ?9' +0' +79' O@+98# 0> 0; : ; 9*8# ?@> 4* O@?# *; =# 407989; +' *+' +79' + C?#
/ 7 47' 9; 4 0?9' +79' *; +7982' *; =' ?+ : B*?' - '8*89 A' %' 899# / +7' 49 9=' *; +7982'
G -. '2)9 5 @?@* A' N# @; +9=' >A' +79 8' *B9; +?' ; ' + / O' >@; = 9?' OCCO? +9' +0' +79'
O@+98' C9+* ?# *; =' 9*47' 40BCO?9=' O ' M *; +7982# O ' / 7 47' +79' ' *+98* ' *89'
H 49 9=# *; =' +79' B9= *; ' ?' 99 9=' G 9 /"#/5 /"232). 83&5 3"-) /!#&5)!9 #/5
1#2'8$"/ ' ' /8$%'"& 95+808?9# =97 ?49; 49' ?0B9+ B9?' *+98* ' G -. '239 ' % ' 899' '
&$-!'' ? BC 9# ?0B9+ B9?' =' D -. '239 E &$#7 /' @?@* A' O8B ; :' + / O' 489; @ *+9=

2;0-'E 3(9!'&' ;7 7*76/2124-' 2*0' 2/' -0?0/7' 2*' 17/,067' 1 750*67-' - ' -, ,>42-0' : 7*= -00303' T ?7 ?03' G 3"-)/!#&5)!9 #/5 1#2'8$"/ 5 2/' ?0-,54 7/' D -&$#2/.83& 5 2/ T -00303' 7*3',*30.,-50*6' G 9 /"#/5 /"232/.83& 5 2/' 2,*603' 7*3' 3,?,303' ;=' 6/7*-H ?0/-0' -0167' ,*62' -00303' ,*30;,-00*6' 50 4 0-' G '"/$32/.83&5 -.'239 ' = ' .2/,M2*67 ' ;, 4*,' 4-47 =' *7903' -2 : 06, : 0-' -6/21.,2 760' G1#2'8$"/5 3"-)/!#&' ' /!,9K '8' 0-.=' " -! . ' 4-47 =' :,*460' *07/ =' -6/7,+.6' ;7-, 7/' 2 60*' 2* =' ?,-,; 0' 76' 6.0' : 2 : 0*6' 2 ' +0/ : ,*76,2*' 7*3' .7?,*+' 7117/0*6 =' 2* =' 2*0' 2?7' 526= 032*' G 3"-K)/!#&'

=105242, 'P ,50*6/7' 60/,321 ,= 4 : C 3 4 : ,7 C 2/=37 ,- 7/52571*2- I 4 : 7/,7

/ /"#/2' '7/0' -3' 5 2-0 =' 7 ,03' 62' /./('"/2 ' 'D-00' 6.76' 7 : , =F' 6.76' : 7*=' : 130/*' ;267*,-6-' .7?0' 4*,603' 6.0 : ' 2/' 6.0=' 3, 0/' 5.,0 =',*' 6.0' 3,--, : , 7/,6=' ;06800*' 6.0,/',**0/' 7*3' 2460/' 1067 -' 7*3',*' 6.0,/' 30 ,*,60' -67 : 0*-' ,90' /./('"/2'A5' 6.0=' 711/275.' 8#2#:'"/' ,*' 6.0,/' / 7' .=121067,-,*' 17/,067' 1 750*676,2*' 54/?03' 2?4 0' 7*3' 6.0' -6/4564/0' 2' 6.0' /4,6' ;46' 3, 0/' ,*' 6.0,/' ,//0+4 7/' 280/-' 8,6.' 682' -017 -' 3,730 1.24-' -67 : 0*-' 7 ;4 : ,*24-' -003' 7*3' :,*460' 7*3' ;7-, 7/'0 : ;/=2' .0=',*.7;,6' 6.0' 60 : 10/760' *2,,.0/*' .0 : ,-1.0/0' 7*3' 0-105,7 =' 6.0' 03,60//7*07*' /0+,2*' 7*3' 2/6.' : 0/,57' 2 : 0' G -&$#2/.83&5 %/23'/.83&',*.7;,6' 246.' /,57'J *2*0' .7?0' ;00*' 2;-0/?03',*' 6,0' .26' /0+,2*-' 2' 6.0' 6/21,5-

2-6' 9 /"#/''22' 52*67,*',*' 6.0,/' .0/;75024-' 17/6-' : 45, 7+0' -7 ,*0' -4;-67*50-' 7*3' 7' 1054 ,7/' 75,3' 2/' 75/,3' 4,50' -2' 2 : ;,*03' 6.76' 6.0=' 7/0' 5 7--03' 7 : 2*+' 62*,5' 7*3' 7 60/76,?0' : 03,5,*0-' .0' 2 : : 2*' 4 : ,62/=' G #! /"#/' 3::#2#8/!#&' 2554/-' 0?0/=8.0/0',*' 52/* ,0 3-' 7*32*/4;;..' .071-'J ,6-' 4,50',-';,660/' -62 : 75.,5' 7*3' ,014/*6,?0' .0' /226-' 2' 3"-)/!#&'%9!%3&/' 7*3]7.7507' 7/0' 4; 7/2 : 76,5' ?0/=';,660/' 7*3' -,+.6 =' 7-6/,*+0*6' 7*3' 0 : 1 2=03' 7-' 0 : : 0*7+2+40-' 7*3' ?0/ : , 4+0-' .0' /76.0/' ;,660/' 7*3' ?0/=' 75/,3' 2,7+0' 2' ' 2/.83##'&',-' 7' /014603' -6, : 4 7*6

G' /- 1 H 4' +/783! 1 3 3 - 4' 39"8':3"$ 1 (' - G' 1 $# ! ,4' "/8$J 1 6' +/#!'"#1 6! , J')/8&38' 5 & G' 8)! '

'%' 2 '%' %-.37-839&' - ' # $'$"/)-8/"839&' % ' &'&&#!'5 T' G"/"'!-' F' 2'!!')5 <#$% H'./"#'$/!'.!/2'8$/&' 2 '/' &#!#- /' 3"' &#!#29!/5 3"' 89$ 2/' !3 '8$9 ' '?/!%9 #839&' " -! '3#!-5',' 8$5 "/"'!-'&$"/#7%$

-47 =' " ! 4/7/0 '-4,/46,52-0' 8,6.' 8760/=' 4,50' 2 60*' 176.0/' 75/,3J .7,/-' 8.0*' 1/0-0*6' -,:1 0' 2/' -60 760' 2/' ,G03' ;=' 6.0' :,33 0' ?0/=' /7/0 =' +7*34 7/' -' 5=,*3/,5' 2/' 7*+4 7/' -2 : 06, : 0-' -1,*0-50*6' ' -,:1 0' 7 60/*760' /7/0 =' 2112-,60' 0*6,/0' 2.03' 2/' 3,--05603' 6.0' /73,57' 2 60*' /4*5,*760' 7*3' 6.0' 574 ,*0' 2 60*' 74/,5 03' 76' 6.0' ;7-0J' &$#.9!'&' 7' '?/+' ' 0 8 ' ' ',*' 7' /750 : 0' /7/0 =' -2 ,67/=' 2*' 7' -5710J' /750 : 0-' 4-47 =' 60/ :,*7' 52/= : ;2-0' 8.0*' =24*+' /7/0 =' ;/7560760' 2 ' 8.,60' =0 28' 2/' 14/1 ,-.' /7/0 =' ; 40' 2/' 1,*9' ' %' /00' T -0/,760' 6.0' T' 2460/' 2112-,60' 7*60/2 12-60/,2/' 7*-80/,*+' 62' 6.0' 1 750*67-' 6.0' T' ,**0/' 760/7' 2 60*' 7/+0/' 7*3' +,;;24-' 76' 6.0' ;7-0',: ;/,5760' ,*' ;43' ?0/=' /7/0 =' ?7 ?760' G #23$#/5 /(#78-/5 "5F' 2 ' %' .=12+=*24-' /7/0 =' $' G " 3"/2#/5 '.#)#9 ' G&3 '5 /")/ #8' D-2 : 0F' "5F' 7//7*+03' 5/2--8,-0' 4-47 =' 0*6,/0' 0>47' 2/' 6.0' 2460/

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/ ‘ 99=# 9 ; + 898 * ; =' @+' >O+7' / *A?' +O' ?7O / ' +79' ; 4@B >9 ; +' 4O+A 9=O ; ?' GB * : I

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99=# 9 ; + 89# * ; =' 4@+' >O+7' / *A`' +O' ?7O / ' +79' ; 4@B >9 ; +'
4O+A 9=O ; ?' GB * : I

3 5 & (
99=# 9 ; + 89# * ; =' 4@+' >O+7' / *A?' +O' ?7O / ' +79' C*8+ +9' * ; ='
; 4@B >9 ; +' 4O+A 9=O ; ?

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8* ; ? - 98?9' ?94+ O ; ' O '
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79C798=.?' @8?9 *49 ; +*?
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4@ 9# 9 ; + 89' * ; =' 4@+' - 98+ 4* A' GB * : I

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4@ 9#9;+ 89’*;=’4@+’-98+ 4* A’ 99=#9;+ 89#*;=’4@+’-98+ 4* A’+0’
GB*: I’ ?70/’+79’40 9=’40+A 9=0;?’GB*: I

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0 / 98’GB*: I

> (’5 " (’ 1 &’9;+ 89#*;=’= +’>0+7’ / *A?’+0’?70/’
+79’ ;4@B>9;+’40+A 9=0;?’G B : I

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0 / 98’4@+’-98+ 4* A’G

: ’ 4@ 9’4@+’ ?+ ’*:=’;94+*8 9?
?+ ’GB*: I’ -98+ 4* A’GB*: I’ ,’GB*: I

(’
0 / 98 4@+’-0@+ 4*666 GB*: I’ ;=8494 @B#C ?+ #*;=’;94+*8 9?’GB*: I

% 2!" #’

*8:98# -*8 0@? A' B>8 4*+9' ;' D6@=' !/8)&' ?9?? 9' *+L+79' >*?9' 08' 0;' +79' 4 84@BE 989;49' 0 '+79' +08@?# Z ?@* A'%' OCCO? +9' +0' +79' ?9C* ?# 08' T' 08' <' 08' 08B ;:' *' 40;E + ;@0@?' -*8 0@? A' 0>9=' 8 ;:# ?0B9+ B9?' =' - '7AC0:A 0@?# <' 0 ' / 7 47' T' *89' ?7O8+# * ;=' OCCO? +9,' +79' *+98*' ?9C* ?# * ;=' %' 0;:98' *4 ;:' +79' C *49;+*8A' ?9C* ?# *;=' 4 0?9' +0:9+798' ;' C* 8?# 08' 407989;+' ?0B9+ B9?' 89=@49=' +0' ' 08' T' G '.#)#9 ' G?0B9I# /.&'!!/' G?0B9I# '8',#'"/' G?0B9II# 8*89 A' 40 G+'7/'/". /' .3!-/8)"/ ' #!/>' ' '8$&' ?@>@ *+9# +79' 0;:9?' ?0B9+ B96' H +00+79=# 08' *8479=# 8*89 A' = *+9=' 08' *CC9;' =*:9=' G '.#)3&$' 38 E /8$%'"&' T' G-98A' 8*89 A' F' 49 9=' G $'!/8$%'"/ 5' ;+8O8?9# =97 ?49;49' 0;: +@= ;* # >*? 59=# 408=*+9' 08' ?*: ++*+9# ?0B9+ B9?' ;9*8' G /""-/' 08' +/ ?+9=' G $/8!'-/' % '0 'T' 40;;*+9' 4*8C9 ?' G-98A' 8*89 A' . %' '$"/.3 / 5 C *49=' 8 :7+' *;=' 9 +' 0 '+79' 08*' *5 ?# ?9?? 9# 8*89 A' ?+ C +*+9' G /"'/5 U4 I# C *49;+*+ 0;' C*8 9+* # @?@* A' 49 9=' >A' 49 @ *8' C *+9?' ?C8 ;: ;:' 80B' +79' C *49;+*?# *;=' = *+9=' ;+0' *' * ?9' -98+ 4* '?9C+@B' ' ?0B9+ B9?' H 49 9=# / +7' C*8 9+* #>*? *8' 08' *C 4* 'C *49;E +*+ 0;' ' ?0B9+ B9?' = - =9=' ;+0' ?9-98*' ?@C98 BCO?9=' 49 @ 9?' >A' ?CO;:A' +8*;?-98?9' ?9C+*' D /.%/89& E &$-!'? BC 9# 08' = *+9=# =+' *CC9;=*:9=# >9 0/'+79'?+ :B*?' &$#7 /& # OCCO? +9' +0' +79' C *49;+*?# 9894+' 08' = -98:9;+# 08' @; +9=' ;+0' 0;9# ?0B9+ B9?' =94@8E 89;+' 0;' +79' ?+A 9' 3(9!'& 00# 08' 9/' 08' ?0 +*8A# C9;=@ 0@?' 08' 708 <0;+* # -98A' 8*89 A' ?0 +*8A' *;=' >*? *8' B' +79' H 49 ! 9=' 0-*8 9?' B !-.'3!/5 1#.$'"-7#9 5' 08' *C 4* ' 4B &/!#&5 /9&2%'"#/5 Q 9)#)#9 5' 4*BCA 0+80CO@?' 08' 7* *;*+80CO@?# 8*C79' -9;+8* # *;=B 480 ' CKA9' ?@C98 08' o ' 9 0;:*+9=' G&#!#79/ 5' 08' ?708+' G&#!#29$/ 5' @?@* A' 49 9=# 08' ' 49 9=' 80B' *889?+' 0 '+79' ?9C+@B' G &/$#&5 !-.'3!/>5 /!'.#8/5 +-/7"9 5' U4 I# @?@* A' / +7' ' +* -9?' ?9C*8*+ ;:' 80B' +79' C *49;+*?# 8*89 A' / +7' (%' -* -9?' G '$"/.3 / 5 ?0B9+ ; 9?' ;=97 ?49;+' 80B' +79' 4079? 0;'0 '+79' -* -9?' G *CP*/@?I# 8*89 A'+8*;?-98?9 A' = - =9=' ;+0' '0;9 '08' B089 ?99=9=' D0 ;+?# 0 '/7 47' +79' @CC98' D "92/"#/5 +3"#&#/5 U9 I# 08'+79' 0/98' G "/ ,'5 /.#&$"9 5' /F#!'5 8/"$%"32/".9&' ?' ;=97 ?49;+' '?@>' : 0>0?9' 08' B*8:;9=' 08' / ;:9=' %' $'&$/' 49 @ *8# @?@* A' >940B ;:' B@4 *: ;0@?# @679;' B0 ?+9;9=' " - ! '0 A# 4@8-9=# -98A' 8*89 A' ?+8* :7+' G '/('8<3"$%#/ 5' 95* >@B ;0@?' 08' -98A' 8*89 A' 9;-9 0C9=' ;' *' *A98' 0 ' 9?7A' * >@B9;' GB&/$#&5 ?0B9I' 23$-!')38& ?@>E *98 * # @?@* A' C *;0 40;-95# *49@B>9;+' B !'9"3"%#J'2' ' 08' ;4@B>9;+' B 3$3"%#J' ' 89 *+ -9 A' +0' +79' 8*= 4 9' G/7 47' ?' @?@* A' *?49;=9;+I# 8*89 A' 0> R@9# ?0B9+ B9?' 0 =9=' ;' +/0' * 0;:'+79 8' 9;:+7' *;=' 9B>8*4 ;:' +79' *= 4 9' G "$%3.!32' 5' 8*89 A' ;9*8# *;=' 0 =9=' +/ 49' +8*;?-98?9 A' B1#.!'23!3,' 5' -98A' 8*89 A' ;9*8' *;=' 40 9=' +8*;?-98?9 A' @CO;'+79B?9 -9?' G .#"3!3%'

B ! ' ' +5 1

0+A 9=0;?' 0;: +@= ;* A' 40;=@C 4*+9# 9B>8*4 ;:'+79' =08?*' 8*= 4 9

'

P' ,*71,-' /407 P' /7--,57' ,/-0. 0 3,7 /457-6/4:
,1 267G,-' 0 7 2/,57*3,7' 7 01,*7 P' /7:;0'
2/,-,7 71,-6/4: *7/6./257/14- C' 71.7*4- 71;7*,-6/4/7

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P 0-10/,- P 7 52 *,,7 P ,0,/7*6;4- X 766.,2 7 X /=3:*/7
P 7,C;7/07 ,-=:;/,4: 7/,7 X' 7-64/6,4: P /7;,2
P 7/37:,*0 60*67/,7

#!#29 3&"' !2)-!3,'2.

P 4*7/,7 P 7/-06,7 X 4;/,06,7 X' 0-,57/,7 ' ' =- 4,*
=102 7 0 6*/,7 /7;7 /21,,7 X' /:2/75,7
P 25. 07/,7 06/712:7 0-,7 X' =7+/4: X'D;,:0,*7
,75460 7 0+757/1:7 X 01,3,4*, 465.,*-,7 X' ;0/,7
00-37,7 P 6.,2*0:7 .7-1, 71-0 7 79,0
-76,- *7-676,07

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0+A 9=0;? ;9*8# 40 9=' +8*;?-98?9 A6' @C0;' +79B?9 -9?' *= 4 9' =08?*

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P 4*,7-,' P 5 ,M21067 4*/

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0+A 9=0;? ;9*8# 0 =9=' +/ 49' +8*;?-98?9 A' @C0;' +79B?9 -9?' *= 4 9' =0 ?*

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2/2*214-' ,,;4 7/,7' P 0S,21., 7

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98 9? 1 R@*' 0;:' 08' ?708+# =97 ?49;+' +780@:70@+' +?' 9;:+7' "* -9?' 40;E
+;@0@?' / +7 ;#8*89 A' ?9C+ 980@?# C *;9' 08' 40;4*-9# ;0+' 40BC89??9=# ;' *' C98C9;= 4@ *8'
= 894+ 0;' +0' +79' C *;9' 0 ' +79' ?9C+@B ' 9C+@B' +79' ?*B9' >89*=+7' *?' +79' -* -9?

! ' ' $! 5 R@*' ;*880/# 0;:# ?99=?' 0 +9;' H ?98 *+9' 0+A 9=0;?'
*44@B>9@+' +/$$%#3!/5 %'#"/8$ &5 $'!/8$%'"/5 /&$9"$#9 5 /"%/"'/5 "/,#&5 /">
)/ #8'5 382%3.%3"/5 8/&$/$#'/5 U4

! ' ' 4 , , 1 R@*'0 +9;' ?708+# *8:9# ?99=?' ?98 *+9' 0+A 9=0;?'
*44@B>9;+' 98/"#/5 /"&'$#/5 9,"#'$#/55 6'&#2/"#/5 !-&&9 5 1"/,/5 "3.%#!/5 32%'
!'/"#/5 U4

! ' ' -! !$ 5 R@*' ;*880/# 0;:# ?99=?' 0 +9;' H ?98 *+9' 0+A 9

=0 ?' ;4@B>9;+# ?+8* :7+' 08' 40 9=# 08' +8*@?-98?9 A' 0 =9=' 2%#J3.'$/!9 5' '&.'"%5' +/!23! #/5' $"'.$3!3 /A' #&- ,"#9 5' 38"#87###5' "-&# 9 5' '!#3.%#!/5' U4

! ' " ' *) 1 R@*' ?708+' 08' 0;:# 0> 0;:# 0-0 =' 08' : 0>@ *8' 99=?' ?98 *+9' 0+A 9=0;?' ;4@B>9;+' $ 3.'$/% 5' "/-$#5' / '!#-/5' '$"/.3 /5' 9,9!/"#/5' ='

1 ! ' " ' & J6 1 R;*' ?708+' 08' 0;:# =97 ?49;+' 80+ :70@+' +?' 9;:+7# 08' *+' +79' +0C' 0; A #6' 0+A 9=0;?:' 0 =9=' 46: +@= ;* DL' "/&&#2/5' #8/.#&5' "92/&>' $"9 5' #"&2%:'!)#/5' 1#.!3$/?#&5' "92+5' +3"#2/8)#/5' 6'!!/:4 <""#2%$'"/5' 9223(#/5' U4

0/,0-' 1 R@*' ?708+# =97 ?49;+' +780@:70@+' +?' 9;:+7' "* -9?' 40;+ ;@0@?' ;/ +7 ;# -98A' 40;4*-9# 40BC89??9=' ;' *' = 894+ 0;' C98C9;= 4@ *8' +0' +79' C *;9' 0' +79' ?9C+@B' 9C+AB' @?@* A' -98A';*880/

! ' " ' K 16 0+A 960;?' ;4@B>9;+# ?+8* :7+' 08' >9;+# 08' 40;=@C' 4*+9' 0;: +@= ;* A# 08' 40 9=' @C0;' +79B?9 -9?' /.&'!!/5' '8'%#'"/5' '.#)#9 5' $%#3##' /5' / .-!3.$'"/5' U4

! ' ' , 26= 032*-' 7554 : ;0*6' -6/7,+.6' "' 3!3,9&5' #&A' 29$'!!/5' +'-/&/".2'/5' %!/&.#5' ,'#)&5' ''&)/!#/5' A9$/%#8&#/5' ,'"#)'!!/>5' "5

98 9?' ' R@*' ?708+' G8*89 A' 0;:I# ;=97 ?49;+# ;0+' D0 ;+9=# 0 +9;' 48@?+*990@?' 08' >0;A# H 49 9=# H' G8*89 A' D' ?9R=9=# 08' 49 9=' / +7' C*8* 9' H ?99=9=' 49 ?' 9= 49 ?' 0 +9;' -98A' ?9;=98# =800C ;:' ;' 8@ +' 99=' 0 +9;' @8; ?79=' / +7' *' +7 ;' * >@B9;' +9?+*' ;0+ B@4 *: ;0@?

" ' ? % 1 7*8*4+98?' 0' +79' ?98 9?' '!$/"#/5' !-.'3!/5' &/$#&5' /9&2%'"#/5' '&!#/5' /!'.#8/5' +-/7"9 5' 92!#)#9 5' 98#/&5' [#!!/5' U4

0/,0-' 1 R@*' +8*;?-98?9 A' D0 ;+9=# ?708+' 08' 0;:' 0/98D0 ;+' ;=97 ?49;+# 9BC+A' 08' 0;:+@= ;* A' 649 9=# 00 ?99=9=' @CC98' D0 ;+' ;=97 ?49;+# H 49 9=# H ?99=9=# 08' 00 49 9=# / +7' C*8* 9' 08' ?@C98 BC0?9=' 9 @9? 1 R@*' * /*A?' @C8 :7+' 08';9*8 A' ?0# C9= 49' ?+8* :7+

! ' 3' 1 - K 1 7*8*4+98?' 0' +79' ?98 9?' "/ ,'A+9"#2/"#/5' /.#&>' $"9 5' /F#!'5' 8/"$%"3'/".9&5' "92/"#/5' +3"#&#/5' U4

98 9?' R@*' ;:# ;0+' D0 ;+9=# ;=97 ?49;+# 4D ;=8 4' 08' B07 08B# H' 49 9=# B*;A ?99=9=# 08' / +7' ?9-98*' H ?98 *+9# H ?99=9=' 49 @9?# ?9C*8*+ ;:' /79;' 8 C9

! ' 3') K 1 7*8*4+98?' 0' +79' ?98 9?' /.%/89&5' /::'8/!)#/5' 8'%38#9 5' /"!/#3"#/5' U4

' ' /45,0/24-' 280/',-' *26'-6/,56 =' -= : :06/,57',*' /0 76,2*' 62' 6.0' 2/7' 7G,-' .0' 7* 7*+0:0*6' 2' 6.0' 57 =G' 7*3' 52/2 7' 76' ,/-6' 71107/-' 62' 2 28' 6.0' >4760/*7/=' 6=10' 24/' -017 -' 7 60/*76,*+' 8,6.' 24/' 1067 -J ;46' 6.0' - ,+.60-6' 0G7:,*76,2*' -.28-' 6.76' 6.0' 682P7*60/2 12-60/,2/' -017 -' 7/0',*-0/603' 280/' 6.7*' 6.0' 682' 760/7 J 6.0' 1067 -' .280?0/' 0?,30*6 =' 2/:' 7' -,*+ 0' 8.2/' .0' 0G5016,2*7' -6/4564/0' 2' 6.0' 7*3/205,4:' .7-' +,?0*' /,-0' 62' :7*=' 52*6/73,562/=' 6.02/,0-' .0' 682' 760/7' -67 : 0*-' 7/0' -.2/60/' 7*3' 280/' 6.7*' 6.0' 26.0/' 24/' 8.,5.' 7/0',*' 17,/-' 7*3' 7 60/*760' 8,6.' 6.0' 682' 760/7' 6',-' 6.0-0' 682' 17,/-' 2' 2*+' -67 : 0*-' 8.,5.' .7?0' 0-105,7 =' 0G0/5,-03' 6.0' -7+75,6=' 2' ;267*,-6-' 0' 7*32 0' 7*3' 7 60/' .,:' 0/,*+0' 7,*6 ,7,/0' 2>4,* 7*32*' 7*3' O0;';'73:,6' 6.0' >4760/*7/=' 6=10' 2/' 6.0' 57 =G' 7*3' 52/2 7' 7*3' 0G60*3',6' 0>47 =' 62' 6.0' 7*3/205,4:' 8.0/0' 7552/3,*+' 62' 6.0:' 075.' 17,/' 2' 2*+' -67 : 0*-' /01/0-0*6-' 7

M 3 " ' !

324 ; 0 -67 : 0* ' . ,-' 6.02/=' 320-' *26 75524*6 2/' 6 ,0 24 0/' 12gR,6,2*' 2 ' 6.0 682' 7,,65/2 12-60/,2/' -67 : 0*-' /0 76,?0 =' 62'6.0 760/7 ' -017 - ' *2/' 2/' 6.0 -,6476,2*' 2 ' 6.0 - .2/6 -67 : 0*-' 2112-,60' 62' 6.0 57/10 -' 8 .,5.' 824 3' .0' 52*6/7/=' 62' 6.0 78-' 2 ' 7 60/*76,2*

760/' ;267*,-6-' D 0-6,;2432,-' 4*6. ' ,*3 0=' 7*3' 6 ,0*' ! ' 7=' 5.,,*10/' O=, 0/' /74-0' 45.7/6/0' .76,*' 23/2*F 73?25760'7*' 0*6,/0 =' 3, 0/0*6' 6.02/=' ,0=' 32' *26' : ,*,66.0' 324. ,*1J2 '6.0' 2*+' -67 : 0*-J' 6.0=' 7 ,/*,' 52*6/7/=' 62' 6.0' 2/+7*2+0*,5' 2 ; -0/?76,2*-' 2 ' #7=0/' 6.76' ,*' 6.0' ?0/=' =24*+' 280/' 075.' +/241' 2 ' 68 ,*' -67 : 0*-' -1/,*+-' /2 : ' 682' 3,-6,*56' 1/264 ; 0/7*50-' -017/760' /2 : ' 075.' 26.0/' 7*3' 0G756 =' 2112-,60' 62' 6.0' 1067 - ' .0 ℃ 52*-,30/' 6.0' 7*3/505,4 : ' 62' ; 0' 52 : 12-\C3' 2 ' 682' >4760/*7/=' 8 .2/ -@ -6 ' 6.0' 280/' 8 .2/ ' /01/0-0*603' ; =' 6.0' 682I 76D17 ' -67 : 0*-' 2* =℃' 7*3' 8 .,5.' %-' 7*' , : 10/ 056' 2*0' /2 : ' 6.0' 52*-67*6' 7//0-6' 2 ' 682' -67 : 0*-' 8 ,,5.' - .24 3' ; 0' 30?0 2103' ,*' /2*6' 2 ' 6.0' 7*60/2 12-60/,2/' -017 -' A *3 =' 6.0' 4110/' 8 .2/ ' 52 : 12-03' 2 '6.0' 24/' 7/+0' -67 : 0*-' 8 .,5.' 80/0' 2/,+,*7 =' 30?0 2103' 2112-,60' 62' 6.0' 1067 -' ; 46' 8 .,5.' 711/275.' 075.' 26.0/' 7 60/87/3-' -2' 7-'62' 2/ :' 682' 17,/-' -'62' 6.0' 1,-6,' 6.0=' 52*-,30/' ,6' 62' ; 0' *2/ : 7 =' 2/ : 03' 2 ' 24/' 57/10 -' 2112-,60' 62' 6.0' 24/' -017 -' 7*' 7//7*+0 : 0*6' 8 ,,5.' ,-' 62.-0/?7. 0' ,*' 6.0' +0*4-' '$"/# /' .4-' 6.0' 2/,+,*7' 1 7*' 2 ' 6.0' 280/' : 7=' 7552/3,*+' 62' 6.0 : ' .0' 2/ : 4 7603' 7-' 2 28-'@ 24/' -017 -' 24/' 1067 -' 24/' 2460/' -67 : 0*-' 2 ' 8 .,5.' 682'7/0' *0?0/' 30?0 2103' 24/' ,**0/' -67 : 0*-' 7*3' 24/' 57/10 -' 2 ' 8 .,5.' 6.0' 682' 7*60/2 *-60/,2/' 7/0' 30?0 2103' ,*' ($"/.38#/' 2* =' J 7 ' 6.0-0' 8 .2/ -' 0G756 =℃ 7 60/*76,*+' 8,6.' 075.' 26.0/

2/0' /050*6 =' ' ' ,5. 0/' .7-' 14 ; ,-.03' D,*' &<<F ' ,*' 6.0' I 2, 7' 2 ' /7M, # 6.0' /0-4 6' 2 ' . ,-' /0-07/5.0-' ,0' 7 ,/ : -' 8 ,6.' F0' 7*32 0' 6.76' 075.' 17,/' 2 ' 2*+' -67,*0* -' /0-4 6-' /2 : ' 6.0' -1 ,66,*+' 41' 2/' 2@#3"#&#&5 2 ' 7' -,*+ 0' -67 : 0*' ; 0574-0' 7552/3,*+' 62' . ,-' 2/+7*2+0*,5' /0-07/5.0-' 6.0' 1/264 ; 0/7*50' /2 : ' 8 .,5.' 075.' 17,/' 2 ' -67 : 0*-' -1/,*+-' ,-' 2/,+,*7 =' -, : 1 0' 7*3' 2* =' 3,?,30-' 7 60/87/3-' O ,6.' /0+7/3' 62' 6.0' 682 50 03' 7*6. . /-' 2 ' 6.0' 68 ,*' -67 : 0*-' 8 .,5. ' 7552/3,*+' 62' 6.0' 17/6,-7*-' 2 ' 6.0' *2* 30?0 21 : 0*6' 6.02/=' 24+.6' 62' ; 0' 2*0 50 03' ,5. 0/' 7?0/-' 6.76' 6. ,-' 2 ; 056,2*' ,-' ?7 40 0-' J ; 6.76' 6.0' >40-6,2*' .0/0' ,-' *26' 2 ' 7' 324 ; ,*+' 8 .,5.' 3,?,30-' 7*' 0*6,/0' 2/+7*' ,*' 682' .7 ?0-' J ; 46' 2 ' 7' 5.2/,-,-' 8 .,5.' /0-4 6-' ,*' 7' -2/6' 2 ' : 4 6,1 ,576,2*' 2 ' 6.0' 2/+7*-J' 7*3' 6.76' 4/6.0/' ,*' 6.0' +0*4-' $'!/8$%'"9' 6.0' 2*+℃ -67 : 0*-' 7/0' 52*-67*6 =# 2*0 50 03

O ,6.' /0+7/3' 62' 6.0' 12 =7*3, =' 2.-0/?℃7 ; 0' ,*' -2 : 0' -105,0-' 2 ' + '7/29". /#/5' ,*' 8 .,5.' 6.0' 7*3/205,* : ' ,-' 52 : 12-03' 2 ' ' -67 : 0*-' 80' : 7=' 7552/3,*+' 62' ,5. 0/' 73 : ,6' 6.76' ,6' /0-* 60' /2 : ' 7*' 4*4-47' : 4 6,1 ,576,2*' 2 ' 6.0' 2*+' -67 : 0*-' 7*3' 6.76' 6.0' 5.2/,-,-' .7-' ;00*' 0G60*303' 62 6.0' 760/7' -67 : 0*-' O 0' : 4-6' ; 0-,30-' /0 : 0 : ; 0/' 6.76' 6. ,-' 60*30*5='62' : 4 6,1 ,576,2*' D8 .,5.' ,-' /07 =' 0G5016,2*7 ' 7*3' 83$' 24*3' ,*' 7 ' 6.0' -105,0-' 2 ' + '7:$2/". 2 ' / ' 7 -2' 71107/-' ,*' !'3 '2'5 /' 6/,;0' 2 ' /.. >#)'2'5 ' 7 : , =' 2!3&'!-' 7 ,03' 62' "92#:'"$'45 6.0,/' 7*3/205,4*,' 8 .,5.' ,-' *2/ : 7 =' .0G7*3/2,,-' 7*3' 7* 7*+03' ,90' $! $' 2 ' "92#:'"2'5 1/0-0*6-' ,*' -2 : 0' -105,0-' 2 ' !'3 '" 24/' -67 : 0*-' 7*3' ,*' 3#/8#&#/' 0,+.6' 2,℃ 22' 52 05603' ,*' 7*60/2H 12-60/,2/' ;4*3 0-' 6.0' 682' 760/7' /0 : 7,*,*+' -2 ,67/=' 2/' ?0/=' /7/0 =' ;0,*+' /01/0-0*603' ;=' -67 : 0*-' 552/3,*+' 62' ,5. 01#' 2/+7*2+0*,5' 2 ; -0/?76,2*-' 6.0' 7*60/,2/' -017 ' 71107/-' ,/-6' 7*3' 6.0*' 6.0' 12-H 60/,2/' 7 60/' 8 .,5.' 6.0' 682' 760/7' -017 -' 71107/' 62+C06.0/J 6.0' 24/' 1067 -' 6.0*' 71107' -, : 4 67*024- =' 7*3' 25541=' 24/' 12,*6-' 3,7+2*7 =' 5/2--,*+' 6.0' 760/7' -017 -' %'' 7*3/505,,,/7' ,/-6' 71107/-' 7-' 682' 7/+0' 2 ; 64-0' +, ; ; 2-,6,0-' 2112-,60' 62' 6.0' 760/7' -017 -' 8 .,5.' /0 : 7,*' -, : 1 0' 7*3' ; 052 : 0' 6.0' -.2/6' -67 : 0*-' 22*' 7 60/' 6.0,/' 71107/7*50' 6.0' 682' -, : , 7/' 7*60/2 12-60/,2/' +,; ; 2-,6,0-' 71107/' ,*-0/603' .,+.0/' 6.7*' 6.0' 1/0503,*+℃' 7/+0/' 7*3' : 2/0' 2 ; 64-0J 7*3' 6.0-0' 0* 7/+,*+' : 2/0' 7*3' : 2/0' +/7347 =' 3,?,30' ,*62' 682' 1/264 ; 0/7*50-' 8 .,5.' ,*7 =' ; 052 : 0' 682' 2*+' -67 : 0*-' 0?0/' -7=-' ,5. 0/' D8 .2'0*0/+06,57 =' : 7,*67,*-' .,-' 21,*,2*' 7+7,*-6' 6.76' 2 ' 45.7/6/0' .76,*' 7*3' /74-0F' *0?0/' 7/0' 6.0-0' -67 : 0*-' 8 .0*' =24*+' 0 G756 =' 2112-,60' 62' 6.0' 1067 -' J 6.0=' 7/0' 2*' 6.0' 52*6/7/=' 6.0*' *07/0/' 62' 6.0' : 03,7*' ,*0' 7*' 7//7*+0 : 0*6' 8 .,5.' ,-' -6, ' : 2/0' 2 ; ?,24-' ,*' -2 : 0' .0G7*3/2,,-' 4= 17℃,001' 0' 7 ,/ : -' 52*6/7/=' 62' 6.0' 2 ; -0/?76,2*-' 2 ' .76,*' 6.76' ,*' 2#:'"/' 8,6.' 080/' 6.7*' -, G' -67 : 0*-' D '.#)#9 '8#)'"/%5!/$#:($#9 5' (#"7 #/ # 5' "5F'6.0' 760/7' -67 : 0*-' 7/0' ,*-0/603' 280/' 6.7*' 6.0' 682' 7*60/2 C12-60/,2/' 8 .,5.' 1/2?0-' 6.76' 6.0' 7660/' 32' *26' ; 0 2*+' 62' 7' 280/' 8.2/ ' 7-' 6.0' ,*52 : 1 060 30?0 21* : *6' 6.02/=' 30 : 7*3-' ,5. 0/' 52*-0>40*6 =' /0+7/3-' 6.0' 6.02/=' 2 ' 5.2/,-,-' 7-' 6/40' .46' .,-' 711 ,576,2*' 2 ' ,6' 3, ,0/-' /2 : ' 6.76' 2 ' 0' 7*32 0' ,*' 6.76' 6.0' 7660/' : 790-' 6./00' 606/7 : 0/24-' 8 .2/ -' D7*3/205,* : ' 52/2 7' 7*3' 57 =GF' 8 ., 0' ,5. 0/' 2* =' 73 : ,6-' 2*0' , 0' 52/2 7' 7*3' 7-,+*-' 7' ; ,*7/=' 6=10' 62' 6.0' 7*3/505,4*,' 7*3' 57 =GJ 7*3' .,-' ?,08' 2 ' 6.0' 52 : 12-,6,2*' 2 ' 6.0' 280/' V824 3' . 0@B 682' 7*60/2 12-60/,2/' -017 -' 682' 760/7' -017 -' 24/' 1067 -' 3,7+2*7 =' 5/2--,*+' 6.0' 760/7' -017 -' 682' -.2/6' 760/7' -67 : 0*-' 682' 7*60/2 12-60/,2/' -67 : 0*-' D075.' 324 ; 03F' 7*3' 682' 760/7' 57/10 -' ?7 ?760 =' 4-6712-03

,0' 7 : , =' 2 ' 8#2#:'"2'' ,-' 5 2-0 =' 7 ,03' 62' /. . /"#) ' 5' /. /('"/2'2'5 7*3' 9 /"#822'' D-00' 6.0-0

7 : , ,0-F 6 7 -2 711/275.0- '&')/2' ,* .7.,6 : -6,?76,2* .=121067 ,- : 17/,067 1 750*676,2* 54/?03 2?4 0 7*3 0G7 ;4 : ,*24- -003

"92#:'"&7/0 3,-10/-03 2?0/ 6.0 8 2/ 3J /075.,*+ ,* 6.0 12 7/ /0+,2*- 7*3 2* 6.0 .,+.0-6 : 24*67,*- 6.0 , : ,6- 2 1.70*2+7 : ,5 ?0+0676,2* 0?+ 2 6.0 +0*0/7 7*3 -105,0- ,*.7;,6 6.0 246. 2 4/210 7*3 -,7 ,*2/J 6.0= 7/0 /7/0/ ,* 6.0 6/21,5- ,* 0G6/7G6/21,57 7*3 60 : 10/760 2/6. : 0/,57

.0 *7 : 0 8$#&23"%<$#2&5 +,?0* ; = k/7*6M 62 6.0 1 7*6- 2 6.,- 7 : , = 30-,+*760- 6.0,/ : 2-6, : 12/67*6 1/210/6= .0= 52*67,* ;0-,30- 2G=+0* .=3/2+0* 7*3 57/;2* 7 *267; 0 >47*6,6= 2 -4 1.4/ 7*3 7M260 .0-0 0 0 : 0*67/= ;23,0- 2/ : ; = 6.0,/ ?7/,24- 52 : ;,*76,2*- : 45, 7+0 -67/5. -4+7/ 7 ,G03 2, 7 7 ;4 : ,*0 7*3 0-105,7 = 6.0 0 0 : 0*6- 2 7 1054 ,7/ ?2 76, 0 7*3 ?0/= 5/,3 2, 62 8.,5. /45, 0/- 280 6.0,/ -6, : 4H 76,*+ ?,/640 O .0* 3073 6.0-0 60/*7/= 7*3 >4760/*7/= 1/23456- /71,3 = 3052 : 12-0 62 2/ : ;,*7/= 52 : 124*3- 7*3 0-105,7 = .=3/2 -4 1.4/,5 7 ,3 7*3 7 : : 2*,7 6.0 506,3 2324/ 2 8.,5 ,- ,*-4112/67; 0 .0 1/,*5,17 03,; 0 -105,0- ,- 6.0 7; ;7+0 G "/&&#2/ 3!'"/3'2# 5 8.,5 .7- ;00* 54 6,?7603 /2 : 6.0 : 2-6 7*5,0*6 6, : 0- 7*3 8.,5 =,0 3- (/"#'$#'&2/ "/2'& 9*28* 4*30/ 6.0 *7 : 0- 2 2 M7 7, 7;;7+0 7?2= 74, 280/ /2552 , "5 .0 710 G + /.) 7*3 6.0 4/*,1 D /.9&Q .7?0 7 0-.= /226 /,5 ,* -4+7/ 7*3 7 ;4 : ,*0J 7*3 6.0,/ -003- 52*H 67,* 7 ,G03 2, 4-03 2/ ;4/*,*+ .0 73,-. G /. $/ $& 5 2 8.,5. 682 -105,0- 7/0 54 6,?7603 6.0 2*0 8,6. 7/226 ;759 246-,30 7*3 8..,60 8,6.,*J6.0 26.0/ D : 7 73,-.F 8,6. 7 8.,60 1,*9 2/ ?,2 06 /226 ,- 4-03 7- 7 52*3,: 0*6

6 6.0 .073 2 6.0 7*6,-52/;46,5 /45, 0/- : 4-6 ;0 1 7503 6;0 32%!'/"#/ 3::#2#8/!#&5 7 ;,0**,7 ;0/; 8.,5. ,*.7;,6- 6;0 -.2/0- 2 6.0 -07- 7*3 -7 6 790- 2 6.0 2/6. 2 4/210J ,6- 52*+0*0/- 2 6.0 4/2107* 1- 6.0 C 03,60//7*07* /0+,2* -,7 7*3 2/6. : 0/,57 12--0--, : , 7/ 1/210/6,0- ;46 ,* 7 0- 30+/00 .0 7/30* /0- G '.#)#9 '&/$#(9 '7*3 O 760/ /0--B /&$9"$#9 3::#2#8/!' 7/0 7 -2 4-03 7- 52*3,: 0*6- '.#)#9 '3!'"/2'9%$5 8.,5. +/28- 2* 6.0 -.2,0- 2 08 h07 7*3 ,- 7* 0G50 0*6 7*6,-52/;46,5 7*3 7 -2 7* 7+/007; 0 ?0+067; 0 8.,5. .7- 1/2?03 ,*?7 47; 0 62 -07 : 0* J /")/ #8'%#"&9$/5 / /"/ 7*3 ."/$'8&#&5 ,*3,+0*24- -105,0- 8..,5./,?7 O 760/ /0--.7?0 7* 75/,3 7*3 - ,+.6 = ;,660/ 67-60 J /&/"#:3 /'/01 750- 32%!'/"#/ ,* ,03 : 2*6J 8/&$9 #3#)'& ,- 0760* ,* ., 7- 5/0-- ,- ,* /7*50 J /"#$# 5 8.,5. +/28- 2* 6.0 -.2/0- 2 6.0 6 7*6,5 7*3 03,60//7*07* .7- 7 0* ,*62 3,-4-0 J ;46 / '"#298/ .7- ,* 2/6. : 0/,57 7*3 6.0 *6, 0- 7 +/076 /01467H 6,2* 7- 7* 7*6,-52/;46,5 /"%/"'/ (9!7/K "#& DO,*60/ /0--F 7* ,*3,+0*24- 1 7*6 2 7* 75/,3 7*3 1,>47*6 67-60 .7- ;00* 4* 4-6 = 7;7*32*03 #&- %#$# 3::#2#8/!'5 7*26.0/ 0?9 0 $98 470 (-B 52 : : 2* ,*3,+0*24- -105,0- 87- 2/ : 0/ = 4-03 7- 7 524+. : 03,5,*0 #/"#/5 8.2-0 ;/4,-03 07?0- 0G.7 0 7 -6/2*+ 2324/ 2 +7/ ,5 87- 0 : 1 2=03 7- 7 ?0/ :, 4+0 3,4/06,5 7*3 3014/76,?0

07 97 0 B "/ %' /"#$# / 5 8.,5. +/28- 2* 6.0 -.2/0- 2 6;0 6 7*6,5 7*3 /,6,-. .7**0 ,- *2?

54 6,?7603J' ,6-' -1/,*+' -. 226-' 7/0' ; 7*5.03 ' 7*3' 8 .0*' 522.23' .7?0' -2J : J8 .76' 6F,0' 67-60' 2 ' 7,, , 280/ >' $/$/"#2/' ,* .7 ; ,6-' 6 .0' -7*3=' 1 7,*-' 2 ' 4*+7/=' 7*3' 2/7?,7J ,6-' 7/+0' /226 ' 52,* : 4* =' 57 03' /"$/'" ,"' /)5' ,-' 0760*' 522 .03' 2/' /78 ' -07-2*03' 8 ,6 .' 2, ' ?,*0+7/ ' 7*3' -7 6

759' 4-67/3' D #8/ .#& 8## ") ' +/28-' ,*' ,0 3-' 6 ./24+ .246' 4/210 ' 6-' 12830/03' 8 03-' 7/0' 4 -03' 7-' 7 52*3, : 0*6' 7*3' /4 ; 0 75,0*6J ,6' 52*67,*-' 7' ,G03' 7*3' ?0,=' 75/,3' ?2 76, 0' 2, ' 62' 8 .,5 .' 7660/' ,6-' 14*+DM46 >47 ,6=',-' 340' 46'6 . ,-' ?2 76, 0' 2, ' 320-' *26' 0G,-6'6 . 0,0' /073=' 2/ : 03J' ,6' ,-' 1/234503' ; =' 6 .0' 756,2*' 2 ' 7' 1054 ,7/ 7 ; 4 : ,*0' D -"3&#8' ' 2*' 6 .0' -"38#2' 75,3' 52*67,*03' ,*' 6 .0' -003' J ,6' ,-' 6 ., -' 75,3' 8 .,5 .' ; 052 : 0-' 6 .0' ?2 76, 0' 2 , J7*3' 62' 0 056'6 . ,-' 5 .7*+0' 6 .0' 7 ; 4 : ,*0' : 4-6' .0' -27903' ,*' 52 3' 876,g/' 8 . 5 . ' ; =' 3,--2 ?,*+' ,6' /0*30/-' ,6' ,6'62' 5 .7*+0' 6 .0' 75,3' ,*62' 7' ?2 76, 0' *, ' C .,60' 4-67/3' D ' /!, / ' 52*67,*-' 1/,,,5,1 0 -' 7*7 2+*4762' 6 .2-0' 2 ' 6 .0' 1/0503,*+' -105,0-' 6 .0' : 45, 7+,*24-' 60-67' . ' 6 .0' -003' ; 0,*+' -*10/73303' 62' 7*' 756,?0' 1/,*5,1 0' 8 . ,5 .' -6, : 4 760-' 6 .0' 3,+0-6,?0' 2/+7*-' "' 2%#82<)&' ,-' ?7 403' ,*' *3,7' 7-' : 45 .' *-' ' 8#-"/

2/-0/73,-.' G 3 + ' /"#/' "9&$#2/8/' 2/' " 3"/2#) ' ,-' 54 6,?7603' ,*' 7 ' +7/30*-' 2 ' 50*6/7 ' 4/210J' ,6-' /226' 52*67,*-' : 45 .' -4+7/' -67/5 .' 766=' 2, ' 7*3' * .4 : ,*0' 7*3' ,-' 0760*' 7-' 7' 52*3, : 0*6' .0' 75/,3' 1/,*5,1 0' 8 . ,5 .' ,6' 52*67,*-' 7*3' 8 . ,5 .' ,-' 30?0 2103' ; =' 6 .0' 756,2*' 2 ' 8760/' ,90' 6 .76' 2 ' #89.#&5 +,?0-' ,6' 7*6,-52/ ; 46,5' 1/210/6,0-

.0' -003-' 2 ' 6 .0' O , 3' 73,-.' D!#/ .!#/8#&$"9 ' /"('8/' 5' 2 ' "92/'&/!#(/5' 2 ' ,6 ./,3760' '4-67/3' D %!/&.# /"('8&' 5' 7*3' 2 ' 2*0-6=' D 98/"#/' "')#(#(/ 5' ,*3,+0*24-' 1 7*6-' .7?0' 7 0*' ,*62' 3, -4 -0' ,*' -1,60' 2 ' 6 .0,/' -6, : 4 76,*+' 75/,3,6=' .2-0' 2 ' / '!#8/' &/!#(/' 52*67,*' 7' ,G03' 2, ' 4-03' 2/' ; 4/*,*+

.0' 07?0-' 2 ' K 273' D &/$#&' :###2$3"#/ 5' 7' .0/ ; ' 52 : : 2*' 6 ./24+ .246' /7*50 ' =,0 3' 7' ; 40' 3 C0' -, : , 7/' 62' ,*3,+2 ' ; 46' ,* 0/,2/ ' 8 ,6 .' 8 .,5 .' 6 .0' ,06-' 7*3' 0 6-' 4-03' 62' 17,*6' 6 .0 : -0 ?0-J 7*3' /2 :' 6 .0-0' 07/ =' 6, : 0-' ; 40' .7-' /0 : 7,*03' 6 .0' *76,2*7 ' 52 24/' 2/' 24/' /2 C7 ' /2 ; 0-

8/&#/$#2/' ##/>32@ 8:#2/' ,-' 7' - : 7 ' 7**47 ' 8 . ,5 .' +/28-' ,*' -7*3=' 1 750-' ,*' /7 ; ,7 ' +=16 ' 7*3' =/,7 ' 6-' -60 : ' ; /7*5 .0-' /2 :' 6 .0' ; 7-0 ' 7*3' ; 07/-' -0--, 0' 280/-' 8 . ,5 .' +,?0' 1 750' 62' /24*303' 123-J' 7-' 6 .0-0' /,10*' 6 .0' 07?0-' 7 ' 6 .0' ; /7*5 .0-' .7/30*' 3/=C' 7*3' 54/?0' ,*8C7/3-' 7*3' 6 .0' 1 7*6' 52*6/756-' ,*62' 7' /24*303' 54-. ,2*' 8 . ,5 .' 6 .0' 7464 : *' 8 ,*3-' -22*' 41/226' 7*3' 57//=' 0?0*' 62' 6 .0' -07' - .2/0' .0*50' ,6' ,-' ; /24+ .6' 62' 4/210' 8 .0/0' ,6' 065 .0-' 7' . ,+ .' 1/,50' 2*' 75524*6' 2 ' ,6-' .=+/2 : 06/,5' 1/210/6,0-J' , ' 6 .0' 6,1' 2 ' ,6-' /226' ; 0' 1 7503' ,*' 8760/' 2/' 0?0*' , ' 6 .0' 1 7*6' ; 0' 0G12-03' 62' 37 : 1 ' 6 .0' 123-' 210*' 7*3' 6 .0' ; /7*5 .0-' 4*54/ ' 62' 5 2-0' 7 /0-.' 8 .0*' 3/=' . ,-' 1054 ,7/,6=C' 62+06 .0/' 836 .' ,6-' *76,?0' 524*6/=' D8 .0*50' ,6-' *7 : 0' 2-0' 2 ' !0/,5.2VF' . 7-' +,?0*' /,-0' 62' 6 .0' 1214 7/' -410/-6,6,2*' 6 .76' 6 .0' 280/' 0G17*3-' =07/ =' 2*' 6 .0' 37=' 7*3' .24/' 2 ' .,C,-6#' ; ,/6 .' VO2 : 0*' -2 : 06, : 0-' 1 750' 6 .0' 1 7*6' ,*' 8760/' 76' 6 .0' 52 : : 0*50 : 0*6' 2 ' 7 ; 24/' .21,*+' 6 .76' ,6-' 0G17* -,2*' : 7=' ; 0' 6 .0' -,+*7 ' 2/' 6 .0,/' 30 ,?0/7*50' 7*=' 26 .0/' 1 7*6-' 12--0-' 7' -, : , 7/' .=+/2 : 06/,5' 1/210/6=CJ# 7-' 50/67,*' 2 --3&#$' '" 2 ' 6 .0' +0*4-' &$' '"#&29&5 !/8$/73' '"' $#2/5) / .#8' !!/' '#"2#8/!#&5 "5

) ' !)

4' 9&&#'9 1 4' 6'8$'8/$ 1 4' #8)!

' % & ' :"' ' '5 3"6 23%'"' 8$' 2 ' #-.37-839&' 3"6 . '"#7-839&5' % &' 3"6 $' - " ' 9&9/!!-' I5' 3"6 3&5 %-.37-839&' 3"6 . '"#7-839&' C ' 9&9/!!-' &$#.#$/$'5' /8) N>2'!!')5' !3#$%' . /"#'$/!' .!/2'8$/&' % ' 29"(') ' 2 ' /' &#!#M93&'5' 2/.&9!'5' 3"6 %'""-' ' '?/!!9 #839&' " !! ' /"2%')' 3"6 :3!) ')

0/ ; 75024-' 7**47 -' 2/' /7/0 =' 10/0**,7 -' 2 60*' -. /4 ; ; =' -2 : 06, : 0-' 7/ ; 2/0-50*6' G+3"#&38#/5' "/$2'(/5' " 5 F' 8,6 .' 8760/=' 4,50' -' 7*3' ; /7*5 .0-' 60/060' + 7 ; /24-' + 7*34 7/' 52662*=' 2/' /7/0 =' -57 =' D $/ #&M9'/5' /. ./"#& ' ' 7 60/*760' 2/' ?0/=' /7/0 =' 2112-,60' G $/ #&M9'/ ' 5' 106,2 03' -, : 1 0' 2/' 3,+,6760' 07 06-' 0*6,/0' ?0/=' /7/0 =' 6226 .03' D 02 : 0F' 2/' 2 ; 03' G %-!/2%#9 ' - 18 0-' 4-47 =' $' 2/' ,*52*-1,06624-' -0675024-

P *' *+ 7*3' 0-0/7 ,/=7*6 .0 : 4 :' 571-4 0-' 7/0' -2 3' 7-' 6 .0' 2-0' 2 ' !0/,5.2J' 7-' ,-' 6 .0' 0G,57*' '!/7#82!!/' !' .#)3 .%7!!/ 5("

55 55 55 L E
0 - - 9 8 4 @ + - 9 8 + 4 * A 8 @ + 4 @ + 8 * ; ? - 9 8 9 9 A 9 9 = # 9 ; + 8 9 * ; = 4 @ + - 9 8 + 4 * A 6 B * : I 0 / 9 8 4 @ + - 9 8 + 4 * A

2 -1,*0-50*6 D /../"#& 0 8 ?0/= /7/0 = 3,205,24- D .3.%-!!9 5 /0+4 7/ 2 -2 : 06, : 0- -4; ,//0+4 7/ 7G, 7/= 7-5,5 03 -2 ,67/= 2/ ,* 7 60/ : ,*7 /750 : 0 2/ 52/= : ; % & -2 : 06, : 0- /00 T -0/,760 -4;0>47 2/ 4*0>47 J -2 : 06, : 0- ?7/,24- = 52**760 ,* 7 64;4 7/ 57 =G -2 : 06, : 0- 5 2-03 7*3 210*,*+ ,//0+4 7/ = D !'3 '5 %-!/2%#9 5 $'"#.%3 / 5 70-6,?76,2* , : ; /,5760 2/ /7/0 = ?7 ?760 2 4-47 = % /7/0 = $ D %-!/2%#9 5 3&2#/5 #', 9%"#/5 "5 F ?0/= /7/0 = T D /)/,/5 .3.%-!!9 2/ & D 3(/"#/ 5 -0--, 0 2/ 5 7803 70-6,?76,2* , : ; /,5760 2/ 68,-603 ?0/= /7/0 = ?7 ?760 D #$2%#'/ 5 ,*-0/603 2*6;0 03+0 2 6.0 62/4- - .2/6 2/ 2*+ -= : : 06/,57 2/ 4*-= : : 06/,57 2/ 3,-52,3 2/ 1/2 2*+03 ;0.,*3 ,*62 7* 7110*37+0 2/ 301/0--03 2/ *7//2803 ,*62 7 103,50 2/ ,*,*+ 6.0 ;2662 : 2 6.0 57 =G 03+0 + 7*34 7/ 2/ /,*+03 - ,*-0/603 76 6.0 ;7-0 2/ 621 2 6.0 62/4- 4-47 = < /7/0 = % &' D 3!/8#&#/5

M 3 " % 6

/) / , / 5 0 +9 ; ; B @ + C 9 0 N 08 # * 98+ 9# 08 ?0B9 ?+98 9 G1/2$-%(885 !'3 '5 3!/8#&#/5 U4 I :#!/ '8$& 08B#a?0B9+ B9?+7 4F9 ; 9= *+ +79 +0C G !'3 ' 5 899 08 @ ; +9= +0 +79 +08@?# 08 40 ; ; *+9 *+ +79 >*?9 G # 8/8)"3.&#&5 /) / , /5 3&2#/5 U4 I /8$%'"& ; +8082?9# 49 9=# 0> 0 ; : 08 0-0 =# >*? =08?* A 59=# =97 ?49 ; 49 0 ; : E +@= ; * ? @?@* A ?+ C +*+9# 8*89 A ?9?? 9# H 49 9=# 08 ?0 B= B9? 49 9= >A * ?9 ?9C+*= ?C8 ; : ; : 80B +79 C *49 ; +*?= G+3"#&38#/5 / . . / "#&5 3(/"#/5 U4 I &$-!" @?@* A ?708+ 08 # ? BC 9 GM# *; = 700F9= ; 3-)&#/ &$#- / @?@* A 08> 4@ *8# ?9?? 9 3(9!'& ; @B980@?# 59= +0 C*8 9+* C *49 ; +*?# 4*BDIA 0+80C0@?# 08 ?9B *; *+80 C0@?# 8*89 A ?0 +*8A: G .3.%-!!9 o 7 4* I?@ 9# ? R@0?9 *; = -* -9=# 08 * >988A# -98A 8*89 A *=8@C9 D 3-)&#/ 89 ; 08B 08 *; : @ *8# 0 +9 ; ?@ ; F ; +79 C@ C 0 +79 9?7A 8@ +?# 95* >; B ; 0@?# 08 -98A 8*89 A * >@B ; 0@? D 3(/"#/ $'&$/ ?B00+7# 408 *490@? 08 48@?+*490@? " - ! 4@8-9= 08 *8479= 23$-!')38& ; 4@B>9 ; + 08 *44@B>9 ; +# 0 =9=# 40 9= 08 ; =@C 4*+9# 8*89 A *+

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8@ + *H 49 9= 4*C?@ 9# @?@* A ? R@0?9 0?+ A * ; ; @* 798>?

V 02 : 0 -2 : 0/,- V 2 7*,-,7 #g =*7*3,21-,-

! 9

8@ + *>988A 08 =8@C9 78@>? 08 +899?

V 2/,-2*,7 ,0/47 2-5,7 2=3-,7 !!,65 ; ,07
,0 ; 4 . /,7 737 ; 7 V 7117/,- 2?7/,7 P

/ . . / "#) '2" 711/275. "92#:'"' ",*6.0 *4 : ; 0/ 2 -017 - 1067 - 7*3 -67M*0*- 6.0 0-6,?76,2* 6.0 2?7/= 8,6. 17/,067 1 750*676 2* 8,6. 2/ 8,6.246 7 7 -0 -0164 : 6.0 57 : 1= 26/2124- 2?4 0- -, ,>42-0 /4,6 0G7 ; 4 : ,*24- -003 54/?03 0 : ; /=2 7*3 75/,3 ?2 76, 0 1/,*5,1 0- .0= -57/50 =3, 0/ 0G5016 ,* 6.0 -2 : 06, : 0- 10/,+=424- ,*-0/6,2* 6.0ZZ*0?0/ 606/73=*7 : 24- -67 : 0*- 6.0 4-47 = -6,1,6760 2?7/= 7*3 6.0 2 60*C 0-. = /4,6 .0= 7/0 0>47 = 5 2-0 = 7 ,03 62 + #87'$&D8 . ,5. -00F .0= 7 -2 /0-0 : ; 0 "3.2'3%" ' ,* 6.0 / .7 ; ,6 0G7 ; 4 : ,*24- -003 7*3 75/,3 1/,*5,1 0 +'&')/2' " 7/0 -017/7603 2* = ; = 6.0,/ .7 ; ,6 7*3 6.0 -6/4564/0 2 6.0,/ /4,6 / . . / "#) '2" 7/0 3,-6/, ; 4603 *07/ = 0>47 = 2?0/ 6.0 6/21,57 7*3 -4 ; 6/21,57 /0+,2*- 2 ; 26. 0 : ,-1 .0/0-J 6.N /460-50*6 -105,0- 7/0 : 2-6 = : 0/,57* C P

.0 .0 / ; 75024- 571-4 7/ / . . / "#) '2" /,?7 "92#:'"' ",*6.0,/ -6, : 4 76,*+ 1/210/6,0- 8 .,5. 3010*3 2* 7* 75/,3 ?2 76, 0 1/,*5,1 0 .0 -105,0- 8,6. 0- = /4,6 8 .,5. 7/0 : 2-6 = 8223= 12--0--0 6 .,- 75/,3,6= ,*6.0,/ /22 - 07?0- 7*3 .0 / ; 75024- 1MG/6-J 6.0,/ ; 7/9 ,- ; ,660,C 7*3 -2 : 0 .7?0 7 1 07-7*6 /4,6 !'3 7#7/8$' / ,- 4-03 7- 7 /4 ; 0 75,0*6 ,* 6/21, ; 7 ,40/,57 .0 .0 / ; 7+0 2 78/8)"3.&#& .'8$/.%-!!/5 7 *76,?0 2 6.0 6,#21,5- ,* ; 26. 82/ 3- .7- 6.0 >47 ,6,0- 2 32%!'/"#/ 7*3 '.#) # 85 7*3 ,6- 2, = -003 ,- 7- 75/,3 7- 6.76 2 #8/.#& 3!/8#&#/ : '!!#8/ 7*3 #23&/8)"/5 *76,?0- 2 *3,7 7/0 01,-17-6,5- 7*3 ?0/ : , 4+0-J 6.0 /0-. 4,50 ,- 4-03 7- 7 52*3, : 0*6 !'3 "%'.$/.%-!!/ 7*3 .3!-7/ /5 : 0/,57* 1 7*6- .7?0 7 ; 7 -7 : ,5 2324/ 8.0*50 6.0= .7?0 ; 00* /0146033 ?4 *0/7/,0- 7*3 -62 : 75. ,5- 3!/8#&#/ 7"/('3!'8&5 7 *76,?0 2 2/6. : 0/,57 7*3 7 ?0/= 206,3 1 7*6 12--0--0- 6.0 -7 : 0 >47 ,6,0- 7- %'83.3)#9 /8$%'%8#8$%#298#

: 2*+ 6.0 / . . / "#) '2" 8,6. 0- = /4,6 / . . / "#& &.#83&/ : 4-6 /7*9 ,/-6 6 ,- 7 -./4 ; 2 6.0 03,60//7*07* /0+,2* 6.0 ; ,660/ 75/,3 7*3 7-6/,*+0*6 ;7M09 2 8.2-0 /226 .7- ; 00* 0-600 : 03 /2 : 6.0 : 2-6 7*5,0*6 6, : 0- 2/ ,6- 710/,0*6 7*3 3,4/06,5 >47 ,6,0- 0 280/ ; 43- 1/0-0/?03 ,* -7 6 7*3 ?,*0+7/

3(/"#/ .7- ; 00* 6/7*- 0//03 62 / . /8'"92'2' ; = ,5. ,5/ B *
? B * ; A *89 ; *+ -9? 2 +79 0 = / 08 = *?' 2 6.0 *08 B

7/0’ 9*28*‘ 7-‘ 710/-‘ 7*3’ : 45 ‘ 4-03’ 7-‘ 7 52*3, : 0*6 ‘ 6 . 0/‘ -105,0-‘ 2 ‘ 3. . /"#&’ /2 : ‘ /0050 ‘ 7/ ; 7/=‘ 7*3’ +=16 ‘ 7/0C-, : , 7/ =‘ 4-03 ‘ / . . /"#& &3) / #/‘ ,-‘ 7’ * 7 ,/0’ 2 ‘6/21,57 ‘ /,57J’ 6 . 0‘ *0+/0--0-‘ 076’ ,6-‘ 75,34 24-‘ 7*3’ -6, : 4 76,*+‘ /4,6 ‘ 8 . ,5 . ‘ 6 . 0=‘ ; 0 ,0?0’ 8 , ‘ : 790’ 6 . 0 : ‘ 1/2 , ,5 ‘ . 0’ . ,660/‘ 7*3’ 7-60,*+0*6’ ; 7/9’ 2 ‘ "/$/#(/‘ / . #/‘ 7*3’ 7- 8)"/5’ : 0/,57*‘ 6/00- ‘ ,-‘ /014603’ 7’ 0 ; , , 4+0 ‘ . 0,/‘ /4 6 ‘ 8 . ,5 . ‘ . 7-‘ 7*‘ 2, =‘ 2324/ ‘ ,-‘ 0767 ; 0 ‘ ‘ 9"(/!/5’ 2 ‘ 6/21,57 ‘ -,7 ‘ 1/23450-‘ -4554 0*6’ 7*3 ‘ ?,*24-‘ ; 0//,0-J’ ,6-‘ 75,34 24-‘ 07?0-‘ 7/0’ 3,4/06,5

) ‘ + A5’ 8)!#2%’"

’ > ‘
0 / 98’ GB*: I , > *8+‘ O ‘ 8@ +‘ 4- ‘ -98+ 4* A ,

> 99=‘ 9 ; + 89’ * ; =‘ T\+‘ -98+ 4* A’
% *: 8*B GB*: I

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-@ 9’ GB*: I

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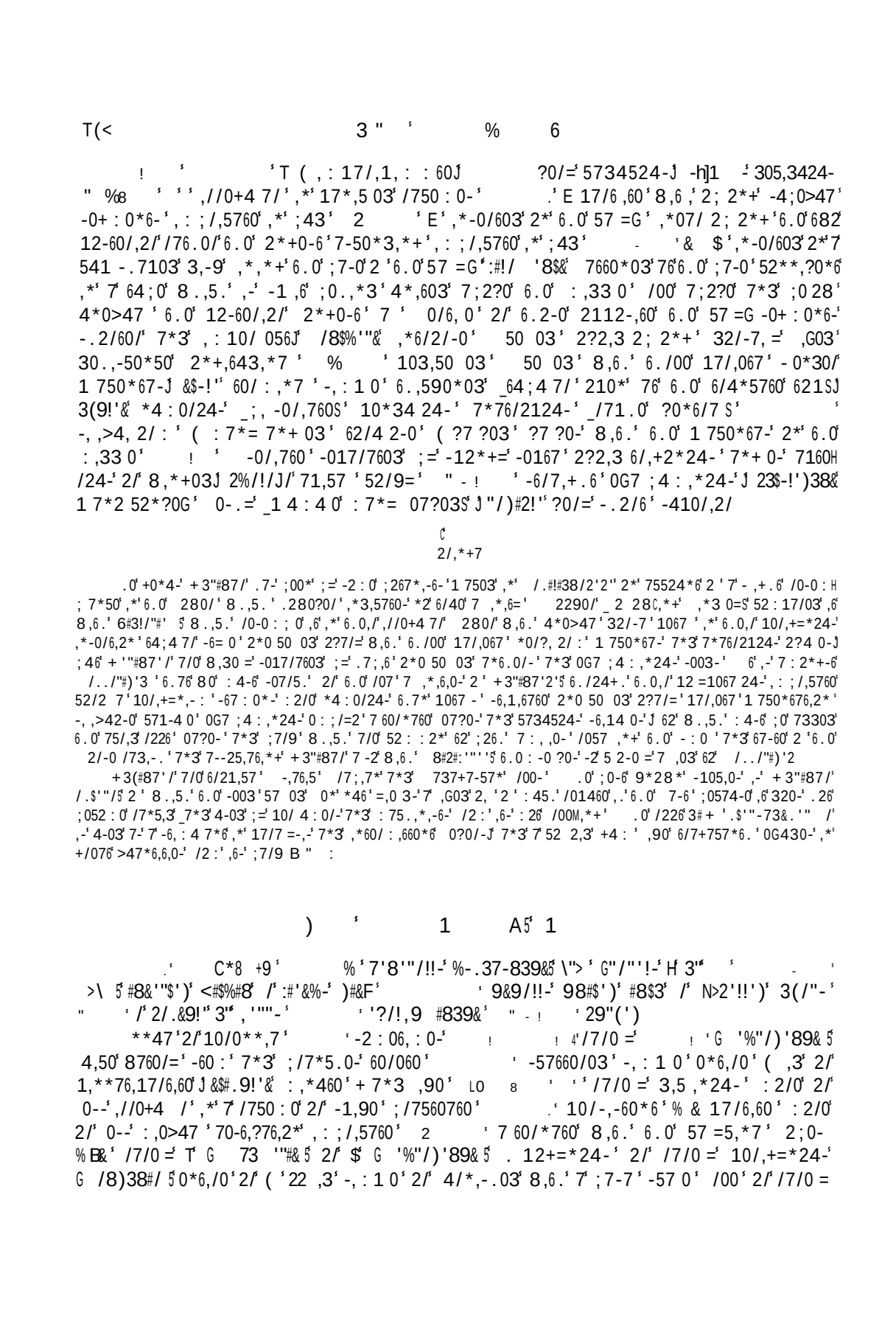
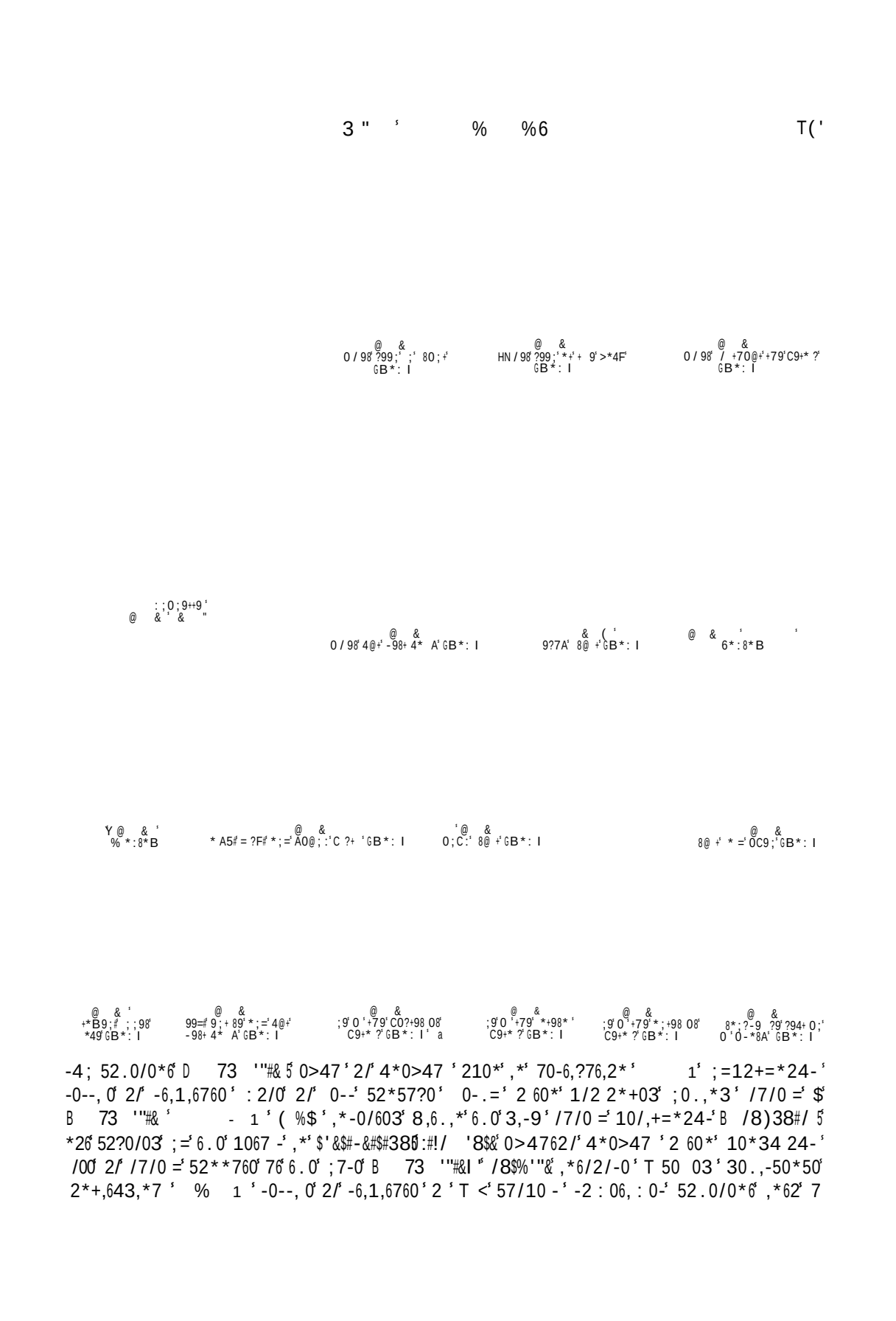
B>8AO’ 4@+‘ -98+ 4* A’ GB*: I ‘ ; +798’ GB*: I A:3½87/ 0 / 98’ 4@+‘ -98+ 4* A’ GB*: I 0 / 98 >@=‘ GB*: #I 8@ +

T(< 3 " % 6





50 0 2?7/=5 2-03 2/ +71,22 76 6.0 621 8,6. : 7*= 2?4 03 F7/,067 1 750*67- :2/0 /7/0 = 3,-6,*56 2/ -4; 52.0/0*6 76 6.0 ;7-0 : 7*= 2?4 03 7*3 8,6. ;7-, 7/ 1 750,,676,2* +71,*+ D /-%#&:!/ 5 2/ T 2?4 03 77,3 5 26UC3 G &A$"3"/".9* &$#7</* -0--, 0 60/ : ,*76,*+ 6.0 T 2;03 621 2 6.0 57/10 -J 3(9!'& 57 : 1= 26/2124- 2/ .7 7*76/2124- 0 4-47 = 7 571-4 0 ,*30.,-50*6 5 2-03 2/ +7 g,*+ 76 6.0 621 /7/0 = 7C;0// # D 5]6/730,: -F -2 : 06,: 0- 2 ,54 7/ G &$"3'/".9& /0*, 2/*, 0G7 ;4 :,*24- 01,30/ : ,- : 0 : ;/7*24- 73.0/,*+ 62 6.0 60-67 2/ 30675.,*+ 8.0* /,10 J $'&$/ 5/4-675024- " - ! (/ 54/?03 2/ 2 303 J 23$-!')38& ,*54 : ;0*6J "/)#2!" *07/ 6.0 .,4 :

76/257/14- #7*32*,,4 7 ,,-07 f!,0-037 5 ,/730*4- Df ,, 2*,0,,-

.0 - : 7 7 : , = 2 $2?')/2'$" ,- 7 ,03 62 8#2:'"' 7*3 8../" /D-00 6.0-0 7 : ,0-F 6 7-2 A*11?272.0- + /" -'$' ,* ,6- ,//0+4 7/ 12 =1067 24- 280/- 30 - , = 3, -9 -67 : 0*- : 2/0 *4 : 0/24- 6.7* 6.0 1067 - 17/,067 1 750*676,2* 571-4 7/ /4,6 0G7 ;4,,,,*24- 0 : ;/=2 7 60/*760 -6,14 760 07?0- 7*3 ,*7 = , * 6.0 75/,3 1/,*5,1 0 24*3 ,* 6.0 /226 2 -0?0/7 -105,0-J ;46 +3"#87'' 7/0 -017/*603 ;= 6.0,/ .7:,6 7/;2/0-50*6 -60 : 682 6./00 1,**760 07?0- -6/7,+.6 0 : ;/=2 , 7 : 0*6- 4*,603 ,*62 7 64;0 7;2?0 6.0 : ,33 0 7*3 2*0 50 03 7*6.0/-

2-6 '&')/''/ +/28 ,* -246.0/* 4/210 *2/6.0/* /,57 =/,7 -,7 ,*2/ 7*3 0/-,7 2 : 0 /275. 6.0 *3,7* /2*6,0/J 7 08 ,*.7;,6 50*6/7 7*3 *2/6.0/* 4/210 ./00 -105,0- ;0 2*+ 62 6.0 710 2 223 210

'&')/2'2'5 -2 *7 : 03 ;0574-0 -0376,?0 >47 ,6,0- 80/0 2/ : 0/ = 766/,; 4603 62 6.0 : 7/0 *2 2*+0/ 4-03 ,* : 03,5,*0 ,* -1,60 2 6.0 75/,3,6= 2 6.0,/ /226 8 ,5. 52*6/,; 460- 8,6. 26.0/ 5.7/7560/ - 62 ; /,*+ 6.0 : *07/ "92#:'"2'7*3 /../"#)'2'J 6.0 /226 2 '$')/ !9$'/ ,* 17/6,54 7/ .7- 6.0 2324/ 2 '6.0 73,-. 7*3 87- 2*+ /0592*03 7* 710/,0*6 -432/, ,5 7*3 3,4/06,5 =0/#- O 003 G %#$'3!/ .7-,*60*-0 ;,660/ 07?0- 7*3 7 17/60 =,0 3 7 =0 28 3=0 : 45. ,* 30 : 7*3 ,+*2*0660 D 3)3"/$) 5 7 1 7*6 8.2-0 2/,+,* 87- 2*+ 52*-,30/03 4*9*28*; 46 8.,5. /, ,6. 7--0/6- 62 ;0 7 *76,?0 2 +.7*,-67* ,- 0G60*-,?0 = 54 6,?7603 2/ ,6- -8006 -50*6

3 " 5

G # 9&&#'8 1 %D I# 6'8$'8/$ 1 0& 1 1 4 & #8)!

0 EB(%-.3--839& - 4 %-.37-83.& % N>2'!!')5 <#$%(E . /"#'$/!.!/2'8$/& ("" ##/ 3"$%3$"3.39& * <#$%$%"'.!/2'8$/& 38 $%" 2'8$"" 3: $%" (/!('& /!,9 #839& " - ! ,'8$$ 23#!')3"':3!)')

! ! 2/ ! JC-60 : 7*3 ;/7*5.0- 60/060 2/ -4; 606/7+2*24- 2 60* + 7*34 7/ 14;0-50*6 2/ 62 : 0*62-0 8,6. -, : 1 0 2/ -2 : 06, : 0- -60 760 .7,/- -, : 1 0 2112-,60 /7/0 = 7 60/*760 -2 : 06, : 0- 8.2/ 03 0*6,/0 -0--, 0 2/ 106,2 03J &$#.9!'& 2,75024- /00 76 6.0 52*6/75603 ;7-0 2 6.0 106,2 0 2/ $ 8.0* 6.0 106,2 0 ,- 7 : ,0G,574 0" 8 /0+4 7/ 60/ : ,*7 -2,67/= 2/ ,* 5= : 0- 2/ 4*, 760/7 /750 : 0- ,034*5 0 246-,30 2 6.0 7G, 2 6.0 ;/756- (68,-603 ,* ;43 2 60* 4/*,-.03 8,6. T 4-47 = - : 7 0/ 57 =5, 2/ : ;/756- 2 .=12+=*24- E ?0/= /7/0 = (2/ $ G '2%'/ 5 68,-603 ,* -0-6,?76,2* ,* 7* 2112-,60 3,/056,2* 62 6.0 -017 - -57/50 = 5 7803 -1/073,*+ ?0/= 4+75,24- - .=12+=*24- J : !/K '8$& /00 , , 2/ : J /8$%'"& T 50 03 ,*6/2/-0 2?2,3 2/ 7*502 760 30.,-50*50 2*+,643,*7 ? /00 -0--, 0 50 03 2/ 8,6. (E , : 10/ 056 50 - 2/ : 03 ;=

; " 0 / 98 (0 / 98 / +7O@+ +?4N8O *GB*: I

(3 & (99=9;+ 89**;=4@+ -98+ 4* GB*: I " " ?+ GB*: I ; 0 Y% *:8*B ; " +*B9;GB*: I (8@ +GB*: I

1 750*6, 0/24- -0167 0; A 4*,603 76 6.0 ;2662 : 2 6 ,0 *+ * É.!/2'8$/& M # 17/,067 2/ ,G03 62 6.0 .7 -0167 T 22 2?4 03J &$-!'' -, : 1 0J &$#7 /& M1 /00 2/ *,603,* 7 %'/>) #13(9!'& 8,6. -.2/6 2/ 2*+0/ 4*,5 0- 4-47 =7-50*3,*+ 2/6.26/2124- 2/ .7 7*76/2124- : 0 : ;/7*24- 2/ 52/,75024- 210*,*+ 62 6.0 ;7-0 2/ 7;2?0 2* =,*62 M .7 1 750*6, 0/24- ?7 ?0- 8,6. 5/4-670024- 60-67 7*3 24/= 2/ -4; .2/*= 7 ;4 : 0* " - ! 0G50*6/,5%2/ -4; 50*6/7 ;0*6 52, 03 2/ 2 303 /7/0 = *07/ = -6/7,+.6 G '2%'/ J %#!9 7*3 2%/!/J/ 52*6,+424- 3,7 : 06/,57 =2112-,60 62 6.0 /73,5 0 0G5016 ,* -2 : 0 -105,0- G '2%'/ 5 ,* 8.,5. 6.0 4*,5 0 ,- 73*760 62 6.0 -003

P ,-6,,(# 0,7*6.0 : 4 : 43-2*,7 05 ,07

#&$#8'#" 7/0 *07/ 1"3&' 2'2'5 6 $/"#'2" 7*3 #?#8' ,* 12 =1067 ,- : 1 750*676,2* 571-4 7/ /4,6 8,6. -0 : ,*, 0/24- ?7 ?0- 7*3 7 ;4 : ,*24- -003-J 6.0= 7/0 12 =7*3/24- ,90 #?#8'2" 7*3 # 34/5 7*3 6.0

T%$ 3 3 ' " 8 6

7 ;4 : 0*' 2 ' 6 ,0-0' 7660/' ,-' 24/=' 46' ;0-,30-' 6.0' 3, 4/0*6' .7 ;,6' 1"3&2":"'' .7?0' 0G6/2/-0' 7*6.0/-' 7*76/2124-' 2?4 0-' 7*3' 7' -6/7,+.6' 0 : ; /=2' 7*3' 0-.=' 7 ;4 : 0*J ' #"'" -57/50 =' 3,/60/' -7?0' ,*' 6.0' 7*76/2124-' 2?4 0-' .0/0' ,-' 7' 305,303' 7 ,*,6=' ;0688 00*' #&%99#:" 7*3' !-.'"#2#82:'' D8.,5.' -00F' .0=' .7?0' 7-2 ;00*' 52 : 17/03' 8,6.' /../"#)2/E' /2 :' 8.,5.' .280?0/' 6.0=' 3, 0/',*' .7 ;,6' 4+75,24-' 1067 F' 7 ;4 :,*24-' -003' 065

#&$#8'3' : 2-6 =',*.7 ;,6'6.0' 03,60//7*07*' /0+,2*J -2 : 0'+/28',*' 2/6.' : 0/,57J 7'?0/=' 08',*' 50*6/7' 4/210' 7*3' 07-60/*' -,7' 7*3' -6, ' 080/',*' 246.' : 0/,57

.0' .0/ ;7+0' 2 ' F$#8'/E',-' - ,+.6 =' 7-6/,*+0*6J -2 : 0' -R'=,0 3' 7' ;7 -7 : ,5' /0-,*' *7 : 03' !/)##8## 5 8.,5.' ,-' 4-03',*' 10/ 4 : 0/=' '!#/8$!$' 9 ' 8)-/"'5 7' -105,0-' 2 ' 50*6/7' 4/210' ,-' -2 : 06, : 0-' 73 : ,*,-60/03' 7-' 7 ?4 *0/7/=

)) ' 6

G '8'"/' ? /::#8#/5 9&&#'9 1 6 ' 6'8$'8/$ 1 < ' 1 1 < G4 #8)! 1 " '

2 ' 5 3"'' 3'' !'&& 98'M9/!5 %-.37-839&' 3'' &!#7%$!-' .'"#7-839&5 # ,"#2/$'' - 'D' #8&'"$')'!#F'' $%". '$/!&' % 'N>2'!!')5.!/2'8$/$#38'. /"#'$/!' '&# .!'' 0 ' /' 2/.&9!'' <#$%' $%'' .!/2'8$/&' 38' $%'' 2'8$"'' 3:' $%'' (/!('&5 3'' "/"'!-' /8' #8)'%#&2'8$,'""-' ' /!,9 #839&' " - ! ' &$"'/#7%$

! ' ! ' 2/' ! ' /7/0 =' -7/ : 0*62-0' G 7/$#38 ' '7 60/*760' /7/0 =' 2112-,60' G!38#)#9 5' !&3)'#/ 5' -, : 1 0' 106,2 0/ ' 4-47 =',*?2 460',*' ;43' -2 : 0H 6, : 0-'7//7*+03',*'/73,57'/2-0660-' 7*3' -126603' 8,6.' ;/28*' ;0 28' G6#3!/' 23$-!')38' 7*3' "3&9!/$/ J &$#.9!'& /00' 2 ,75024-' 2/' - : 7 ' 4-47 =' 305,3424-',*' 6.0' 8223=' -105,0-' 0 8 ' E' 2 60*' 3, : 2/1.24-' 7*3' 71067 24-' ,//0+4 7/' 2/' -4 ; /0+4 7/' 10*67 : 0/24-' 2/' ?0/=' /7/0 =' 606/7 : 0/24-' G '$"/$%-!/2#9 5' 7G, 7/=' -2 ,67,=' 3'' #8' 7' 5= : 0' . /8#2!'' 2/' /750 : 0J 103,50 -' 4-47 =' T ; /75602 760' ' 5' 3,-6,*56' 2/' 52**760' 76' $%'' ;7-0' 4-47 =' 10/-,-60*6' 0>47' 2/' 4*0>47 ' -0-6,?76,2*' , : ; /,5760' 2 ' E' .=12+=*24-' 2/' - ,+.6 =' 10/,+=*24-' 7 60/*760' 8,6.' 6.0' -017 -' -0-6,?76,2*' , : ; /,5760' 7*3' 52*?2 460' -2 : 06, : 0-' 0>47' 2/' -4 ;0>47 ' 5 7803' 52**,?0*6' 2/' 52.0/,*+' ,*' 7' 64 ;0' 76' 6.0' ;7-0' G /-./-"3!/5 '$"/$%-!/2#9 5' !3#3&.'" 9 5' /9(/7'&#/' J -2 : 06, : 0-' ?0/=' 4*0>47 ' 6.0' 682' 4110/' 0G60/,2/' 6.0' 682' 760/7' 8,6.,*' 6.0' 26.0/-' 7*3' *26' 5 7803' 6.0',**0/' D 280-6' ;=' 6.0' /0?0/-7' 2 '6.0' 280/F' 7/+0/' 5 7803' 7*3' 1/2 2*+03' ,*62' 7' .2 28' -14/' ;0 28',6-',*-0/6,2*' - ' E',*-0/603' 2*' 6.0' /0501675 0' 2/' ;2662 :' 2 '6.0' 2/!-?E: '!/ '8$&?0/=' -.2/6' 3, 7603' /00' 2/' -2 : 06, : 0-' 52**760' 76' 6.0' ;7-0' G '38#/5 !3#3&.'" 9 5' !&3)'#/5 "5F J /8$%'"&',*6/2/-0' T 50 03' 52**,?0*6' 2/' 52.0/0*6' /24*3' 6.0' 2?7/=' 50 -' 73*760' ;=' 6.0' ;75.' 62' 6.0',**0/' -4/ 750' 2 ' 6.0' 02**056,?0' 7*3' 210*,*+';=' 7' 2*+,643,*7' - ,6J 52**056,?0' 1/2 2*+03' 7;2?0' 6.0' 50 -' ,*' 7' : 0 : ; /7*24-' 7110*37+0' 6.2-0' 2 ' 6.0' T' >/' %' 280/' -67 : 0*-' D,*' 6.0' ,//0+4 7/' 280/-F' +,; ;24-' 7*3' + 7*34 7/' 2*' 6.0,/' 32/-7' 750' 2/' 1/2 2*+03',*62' , , 2 ' -14/-' 8.,5.' 7/0',*5 4303',*' 6.76' 2 '6.0' 280/' 1067 ' % ' /00' -0--, 0' 2 60*' +,/6' 8,6.' 7' ;7-7' 7**4 4-' 50 03J .!/2'8$/& 17/,067 ' - 0*30/' +0*0/7 =' (' /7/0 =' T' G - '8> /8$%'"/ 5 2/' E' G+'!#2-$9& 5 2/' %' G '$"/$%-!/2#9 I' &$-!'' -, : 1 0' -2 : 06, : 0-' 6.,590*03' 76' 6.0' 621' 2/' ;0*6' 8,6.' 7' 32/-7' -6,+ : 76,5' 57?,6=' 2/' 2 ' ?7/,24-' 2/ : ' -2 : 06, : 0-

9*8+?9*?9 1 (>
;=8494 @B*;='C ?+ 'GB*:#I' G 8 >9-9 A';9*8 ? " BNCD -

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?@>@ *+9 / +7 *+9 .B @* ?+ :B*# 8*89 A M =# 08 ?+A 9 / +7 M 899 ?+ :B*?
B+'!#2-$9&`É 3(9!'& *;*+8OCO@?# @?@* A B*;A# -98A *89 A H G &3)'8)"#385 - '8
/8%'"/5 2-.%'!!/8)"/ : - *4*C?@ 9# 0 +9; 0C9; ;:9 *?+ 4* A >A *? B*;A
?9B ; 980@? -* -9? *? +7989 *89 C *49;+*?" 08 *; ;=97 ?49;+ >988A B '38#/5 '$"/>

H#A 3 3 ' A]

$%-!/2 5 + '!#2-%#&5 !- '8/4##$!#'"/ ' = (9 <' 0-0 =5 085 ?@ D6 0>0?0,'' > .?0X' 48@? 4 .0@? 085 B9B>8*;0@?# 8*C795 ?0B9+ B9?5 +7 4F9;9=5 *;=5 ?9C*8*+ ;:5 /79;5 8 C95 D#!%## '## 9?7A#5 40C 0@?5 " 5*5 0#5 ?+8* :7+5 5 *+#5 >80*=5 085 ;*880/5 5 8*= " +5 0A ;=8 4#5 ;9*85+795 7 @B

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-230,75 02*,75 =:0*7*6.0/75 0,2=647

/9(/7'&#'2'5 2 '8.,5.'805 .7?0+,?0*5 7 ,+4/0 *07/' 6#3!/"#'8>5 7/0 -2 5 2-0 =5 7 ,035 625 6.0:5 6.76 -0?0/75 ;267*,-6-5 .7?0 4*,6035 6.0:5 .0=5 7/0 3,-6,*+4,-.035 2* =5 ;=5 6.0 1/0-0*505 2 5 ,?0 225 -67:,*230-5 1 7503 246-,305 6.0 -67:0*-5 7*35 ;=5 6.0 6./005 ?7 ?0-5 2 5 6.0 571-4 05 ;0,*+5 -0:,*, 0/24-5 2*5 6.0,/' 03+0-5 6#3!/"#'225 7 -25 711/275.5 1"3&'"/2' 5 ,*5 ,-2-60:2*=5 6.0 2*0 0 035 2?7/=5 8,6.5 17/,067 5 1 750,,676,2*5 6.0 571-4 05 8,6.5 1 700*6, 0/24-5 ?7 ?0-5 7*35 6.0 7 ;4:,*24-5 -003J ;46 ,*5 1"3&3"/2'2'5 6.0 7*6.0/-5 7/0 0G6/2/-0 5 6.0 -6= 0-5 7/0 3,-6,*56 5 6.0 0:;/=2 ,-5 :,*460 7*35 ;7-,7/5 .0=5 .7?0 6.0 -7:0 7 ,*,6,0-5 8,6.5 "/8F'8#/2'2'5 8.,5.5 .7?0 7 -2 7 -,:1 0 -6= 0 7*35 7*5 7G,0 0:.,=2 .46 6.0,/' 57 =G5 ,-5 64;4 7/5 7*35 0 2*+760 6.0,/' 7*6.0/-5 7/0 0G6/2/-0 6.0,/' 2?4 0-5 7-50*3,*+5 6.0,/' 07?0-5 4-47 =5 2112-,60 7*35 0G-6,14 760 .0=5 7/0 7 -25 52**05603 8,6.5 #&$#8'/' D8.,5.5 -00F

.0 .0/;75024-5 -105,0-5 2 '6.0 6/,;0 6#3%/' 1/,*5,17 =5 ,*.7;,6 6.0 *2/6.0/*5 .0:,-1.0/0J 6.0=5 7/0 /7/0 ,*5 6.0 60:10/760 /0+,2*-5 2 5 6.0 -246.0/*5 .0:,-1.0/0 7*35 ,*5 6.0 6/21,5-J 6.0 8223=5 -105,0-5 2 5 6.,-5 6/,;0 7/0 5.,0 =5 *76,?0-5 2 '0>4762/,7 5 :0/,57 5 .0 26.0/' 6/,;0-5 ,*.7;,6 6.0 ,*60/6/21,57 5 /0+,2*5 2 5 ;26.5 82/ 3-5 7*30-105,7 =5 2 5 :0/,57 5 -8# /8$!<"/',*.7;,6-5 4-6/7 ,7 7*3 085 h07 7*3

.0 756,?0 1/,*5,1 0 2 5 6#3!'2 D(#3 8'5 ,-5 7 -4;-67*50 7*7 2+24-5 ,*5 1/210/6,0-5 625 ' +8'5 D-00 WQ%2.!#& 5 6.0 0:06,5 7*3 7G76,?0 1/210/6,0-5 2 5 8.,5.5 ,6 -.7/0-5 ,2 ,*0 ,-5 1/,*5,17 =5 24*35 ,*5 6.0 /226 7*3 /226-625 N' /2:5 8.,5.5 7-5 80 5 7-5 /2:5 6.0 07?0-5 .7-5 7 -2 ;00*5 0G6/75603 7 1054 ,7/' 75,3 J 7*3 6.0 -50*603 1067 -5 52*67,*5 7 ?2 76,0 2,5 .0 /25 6 2 '6.0 4/2107*5 ?,2 06-5 7*3 0-105,7 =5 2 '6.0 8006 ,2 06 G6#3!/' 32!3"/$/5 ,-5 -,+.6 =5 ;,660/' 7*3 75/,3 /057 ,*5 6.0 67-60 2 5 .''/ /8%/J 6.0 280/-5 8.,5.5 7/0 -8006 -50*603 ;46*74-024-5 ,*5 67-60 7/0 4-03 ,*5 -=/41 7*3 ,* 4-03 7-5 0*,2 ,0*6-C7*3 224+.:,G64/07 .0 -60:7*3 07?0-5 2 '6.0 O,3 7*-=5 D 6 $"#23!3"' 7/0 /0>40*6 =5 73:,*,-60/035 1-5 7 3014/76,?0 6,-7*0 ,*5 5467*024-5 3,-2/30/P .0 :0/,57*5 ,2 06-5 D 6 .') /$/' 7*3 ./! /!/ 7/0 -,:,7/ =5 0:1 2=03 6 3(/$/',-5 7 /014603 -105,,5 7+7,*-6 /766 0-*790 ;,60-5 2:0 -105,0-5 2 5 38#)#9 5 ,*5 246.5 :0/,57 7/0 4-03 7-5 -4;-6,6460-5 2/ 1057547*.7J 6.0 /226 2 5 .'2/29/8%/' 0-105,7 =5 6.0 O.,60 1057547*.7 2 5 52:0/50 ,-5 7 1280/4 0:06,5 1054 ,7/=5 -4,603 625 =:1.76,5 60:10/7:0*6-5 .0 /226 2 5 82%#'$'/' &/!9$/"#&5 7 -:7 5 /7M,,7*5 6/00 ,-5 14/+76,?0 7*35 4-0 4 5 ,90 24/' 8,3 7*-=5 ,*5 -9,*5 7 056,2*-5 !38#)#/5 #2"3.%-!! 85 7 -105,0-

+/28,*+' 76' 6.0' 226' 2 ' .,,4;2/7M2',-' -4112-03' 62' =,0 3' 6.0' /226' 57 03' 4,5.4*0.4 ,' 1/0-5/,;03' ;=' 6.0' : 0/,57*-' 2/' 64;0/54 7/' 0 01.7*6,7-,-
.0' : 03,57 1/210/6,0-' 2 ' %3)#8'''' 7/0' ?0/=' 2,-5 /0' 7*3' 0*6,/0 =' 3, 0/' /2:' 6.2-0' 2 ' 4 4#3!'2'' .0' 076C0-' 7*3' ;7/9' 2 ' !&32$'#/' 9:$7/5 8.,5.' +/28-',*' 08' /7*737' 7/0';,660/'743'7-6/,*+0*6' .0' 07?0-' 2 ' 2/7$/8'/4:9 /' 7*3' /7M,,7*' -105,0-' 7/0' : 45, 7+,*24-' 7*3' 7/0' 522903' 7*3' 0760*' ;=' 6.0' *0+/27

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8 *>80@?' *80B*+ 4'+899?' ' * +98;*+9#' R@ +9' 9;+ 89#' C9;; ;98-9=#' C9 @4 = ' =0++9=' ' &$#.9!'&' ' ,2O ' :# 89:@ *8#' ;' +98B ;* # *+98* # 08' *5 *8A' 4AB9?' %" $'3!'&'G&'./!&' 0 '?0B9' *@+708?I' M# 08> 4@ *8# 4 0?9' @;=98' +79' 4* A5# B@47' B>8 4*+9#,' C98? ?+9;+' &'./!&'G.'$/!&' 3:'&3 ' ' # 899# +7 4F# =94 =@0@?# B@47' B>8 4*+9# +79' ;;98' ;*880 ?A9?+' 2 ' G.'$/!3#)'&2/!'&' 0 ' ?0B9I' *?' B*;A' *?' +79' ?9C* ?6' +7 ;# B>8 4*+9' 08' ' - ' %> A37 ?3?#&'%:#!/ '8$&' 40;;*+9' ;+0' *' +@>9' J /8$%''"&' ' 08' 9 /98# ;9*8# *=;*+9' +0' +79' 0@+98' ?@8 *49' 0 '+79' +@>9# 0;: +@= ;* A' -* -9=' 1 ' - L\' 899# H 49 9=' .!/2'8$/&' # C*8 9+* # ' 08' B089 0-@ 9=' &$:#'' ?708+# +7 4F' &$#7 /&' '' 3(9!'&' 708 <0;+*' 08' *?49;= ;:# * B0?+' *;*+80C0@?' & ;' ;=97 ?49;+# B*;A ?99=9=' ' / +7' *' ?7 ; ;:' 48@?+*490@?' +9?+*' /!,9 '8' 0 A' *;=' 9?7A' " - ! ' ?+8* :7+' 08' 4@8-9=' 8*= 4 9' ;95+' +79' 7 @B '' 23$-!'')38A' 0> 0;:

7*0 7 ,**7:230*3/2* ,,,*7:2-:7

?0/=' -:7 ' 2/30/' 1 7503' ;=' 7/6,*-' *07/' 9$$#:'"/E' ,*5 7303' ;=' ,*3 0=' 4*30/' #$#3&.3"'2'5' 7*3' 1 7503' ;=' ,0/-' *07/' +/783 /2'2&' ;46' 7552/3,*+' 62' 0*6;7:' 7*3' 2290/' ,' ,6' .7-' 0--' 7 ,*,6=' 8,6.' 7*=' 2 '6.0' 7;2?0' 2/30/-' 6.7*' 8,6.' 6#3!/"#'2'' 7*3' !!#(#8'2'5' 3, 0/,*+' /2:' 6.0' ,/-6' 2 '6.0-0' 5.,0 =',*' 6b,0' 7;-0*50' 2 '-6,14 0-' 7/2:76,5' 1/210/6,0-' 7*3' :2/0' *4:0/24-' 7*6.0/-' 8!,,5.' 7/0' 0G6,8-0 ' 7*3' 73*760' 62' 6.0' -67:,*7' 52 4:*

/8)C?%2'2'5' 2 '8.,5.'2*=' ,?0'-105,0-' 7/0' 9*08*' 7/0' *76,?0-' 2 '6/21,57 ' :0/,57' 8,6.' 2*0' 737+7-57*' -105,0-J 7 ' 7/0'.,+.=' 7/2:76,5' .0' 7*0 7' ;7/9' 2 '52:0/50',-' 6.0' O,3' ,**7:2*' 2 '6.0' O 0-6' *3,0-' 7*3',-' 7' 80 9*28*' 57/:,*76,?0' 7*3' -62:75.,5J',6',-' 0G12/603' /2:' 6.0' 7.7:7-' 7-' f O.,60 8223';7/9' 2*' 75524*6' 2 ' 6.0' 8.,60' 71107/7*50' 2 ' 6.0' 6/00-' 8.0*' -6/,1103' 2 ' 6.0' .7/9J' 6.0',**0/' 7=0/-' 7 2*0' 7/0' 4-03' 7*3' =,0 3';=' 3,-6, 76,2*' 7' 87/:' 7/2:76,5' 2, ' .0';7/9' 2 ' 7' /7M,,7*' -105,0-',-' 4-03' 7-' 7' 62*,5' 7*3' 7*6,-52/;46,5J',6',-' 1/0-5/,;03',*' 28' 0?0/-' 7*3' :730',*62' 7' +7/+0',-' 4-0 4',*' 07-0-' 0 ' /0 7G76,2*' 2 ' 6.0' 62*-,-

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2 / M' h]68DT.J 6 , , ' ' ' #2%/")5' 1 ' !3&

')#&$#82$' 3"' 2388/$'5' 9&9/!!-' # %>#2/!' ' / ' .3!-.'$/!39&5' %-.37-839&5' 3"' ' - ' 9&9/!!-' 4' 22' %-.37-839&' 3"' &9%>.'"#7-838&' % ' :"'''5' 9&9/!!-' ' 2'!!')5' .!/''8$/$#38'./"#'$/!' ' &# .!'5' 3"')#(#)')'$3' #$&',/&'' & ' 3"' ' <#$%'%/!:>&' #8#:'"39&'(/!('&' ' /!,9 #839&' " - ! '9&9/!!-'&$"/#7%$5' /?#!'

;' 7?'08=98' ?'0B +9=' ;'+79'08:;* 1
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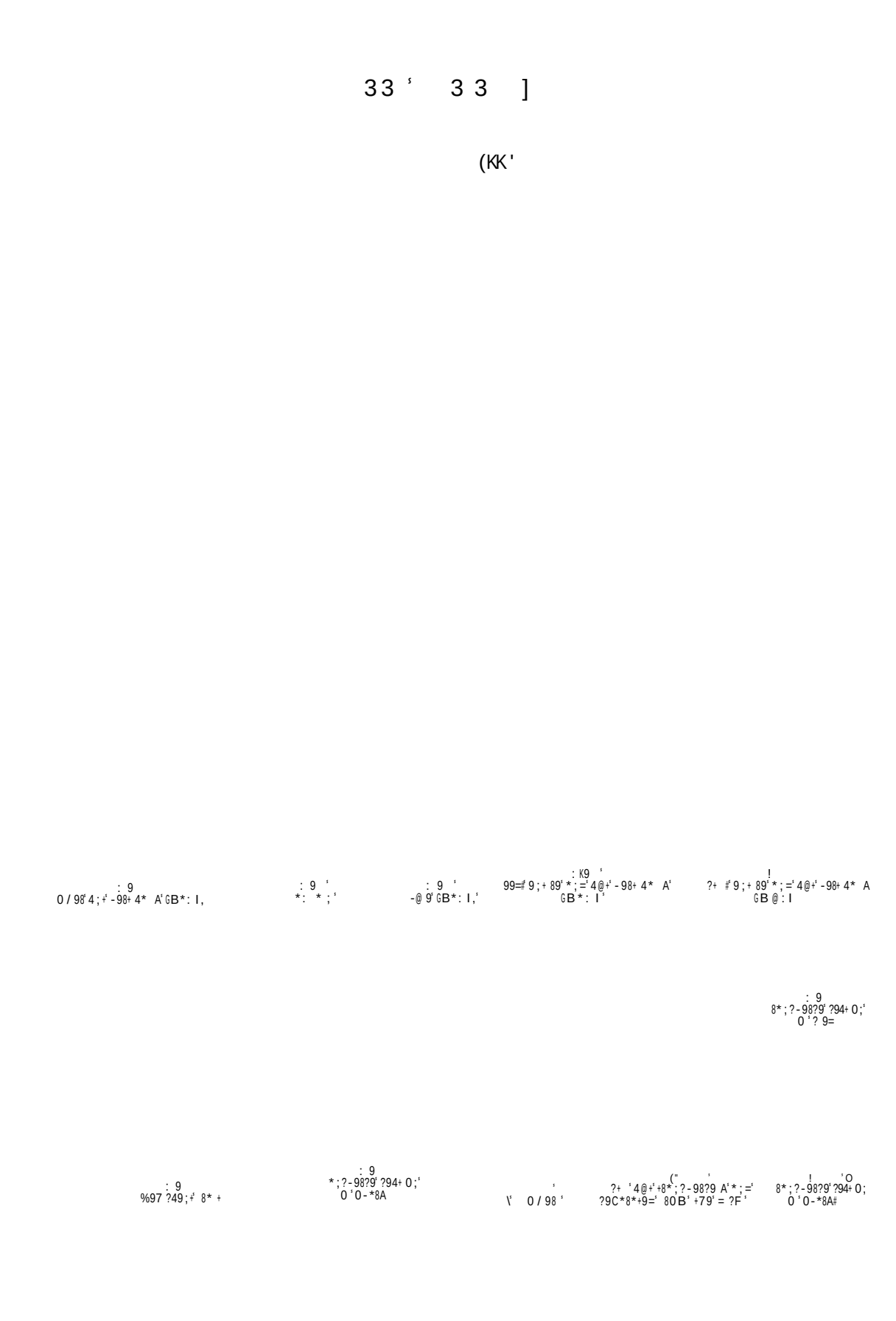

2/ ! 7 60/*760 -, : 1 0 6226.03 /7/0 = 0*6,/0 -2 : 06, : 0- 17 : , 2;03 2/ 52 : 124*3 G 32+3&.'" 9 5 3"'9?#/ 5 -2 : 06, : 0- 10 45,3 326603J &$#.9!'& : ,*460 5734524- 2/ $ " 8 [2/ 4*,-0G47 /0+4 7/ 7G, 7/= 2/ 60/ : ,*7 -2 ,67/= 2/ : 2/0 2 60*7-5,5 03 2/ 52/= : ;2-0 /750 : 2-0 2/ 17*,5 03 % E 2/ T < /00 2/ 52**760 +0-6,?76,2* , : ; /,5760 /7/0 = -4; 7 ?760 G J/"/5 " F 2/ 4*,603 ,*62 T : 2/0 2/ 0--/0+4 7/ ?7 ?0- G /87#9 5 "5F 2 .=12+= *24- 7- : 7*= 7- -017 - 2/ 22 70-6,?76,2* , : ; /,5760 7*3 68,-603 305,3424- 2/ $ - .=12+=*24- 2/ 2;-54/0 = 10/,+=*24- ,*30 ,*,60 2/ /7/0 = 30 ,*,60 D J/"/5 "-$%"3&.'" 9 5 "5FJ /8$%'"& 210*,*+ ;= - ,6- 2/ /7/0 = ;= 7* 71,57 12/0 D #?/5 32+3&.'" 9 5 "5F 1 2 60*+7*34 7/ 6.,59 2/ 3, 7603 D -!3& / 5 -2 : 06, : 0- 73*760 62 6.0 57 =G ;7-0 /7/0 = 7**4 7/ 7*3 73*760 62 6.0 2?7/= G '"#)#&29& 4 % /00 4-47 = 50 03 8,6. T 52 17/,067 1 750*67- -2 : 06, : 0- -0?0/7 50 03 D !/> 239"$#/5 3"'9?#/5 "5FJ &$-!'& 7- : 7*= 7- 1 750*67- 4*,603 2/ : 2/0 2/ 0--/00J 3(9!'& T 2* 075. 1 750*67 7*76/2124- 2/ .7 7*76/2124- 0 0-.= 2/ 3/= ,*30.,-52*6 2/ 210*,*+ ;= -003 ;07/,*+ ?7 ?0- ! 4-47 = 2?2,3 2/ 1,-, 2/ : /7/0 = /0*, 2/ : 2/ 525.07/ 7*3 ?0 ?06= D 32+3&.'" 9 5 -: 226. 2/ 14 1= 2* 6.0 246-,30 D #?/5 1'8)"3&$-!#&I / !,9 '8 0-.= : 2/0 2/ 0--/ 521,24- " - ! 7G, 0 -6/7,+.6 2/ 54/?03J "/)#2!" *07/ 6.0 ., 4 : J 23$-!')38& 7/+0 4-47 = 52/3760

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0 / 98? # 08 8*89 A C0 A:*B0@? 9+* ? *8:9# / +70@+ * ?4* 9# + / ?+9= ; >@= ;+798? ;9*8 08 0> 0;: # 0DI9; ;: >A +98B ;* C089?# 08 ?708+ -* -9? *C?@ 9 =97 ?49;+ 9;=04*8C B9B>8*;0@?# ?9C*8*+ ;: 80B +79 -* -9?

25 2-10/ : ,, : P ,G7

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0 / 98? = 094 0@? 08 C0 A:*B0@? 9C* ? *;= C9+* ? B>8 4*+9# +79 *++98 B0?+ ;@B980@? *;= / +70@+ * ?4* 9 ;+798? ;9*8# 0C9; ;: >A ? +?

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P ,++0 , C,7 8 @:] -G ;04 8[I@? D,?*2*,,3,7

" *% % !Q 0 3 ; +2 0 3 * ; 0 3 " & % 8 + 9;+#8?-9666ZA

,0 *2/ : 7 !## "##9 / 0 7/0 7 ,03 62 #&$#8' ' . ; =/ /0-6,?7 6,2* ,*-0/6,2*3 2 6. 0 1067 - 12 =7*3/= 2*0 50 03 2?7/= 7*3 17/,067 1 750*676,2*J ; 46 #&$#8' / 3, 0/ ,*6.0,/ -. 2/60/ 7*3 2/6.26/2124- 2/ -* ; 2/6.26/212,,- 0 : ; /=2 7*3 6.0,/ 4-47 =:!39"- 7 ; 4 : 0* #?#8'2" , '/" -2 : 0 /0 76,2], 62 /A-./"#)'2'5 ,9$ 7/0 -017H /7603 ; = 6.0,/ 7 ; 4 : ,*24-

" *% % 0 % 2' ' *'* '/ * 0-

-003- .0=3, 0/ /2 : #!#92'2" ,* 6.0 2*0 00 03 2?7/= 7*3 1 750*676,2* .0 2 ,+7*3/24- #?#8'2'' 711/275. 6#3! 4#'2'5 8 . ,5 . 7/0 -017/7603 ; = 6.0,/ ,//0+4 7/ 02/2 7 7*3 52**,?0*6 7*6.0/- .0= 7 -2 711/275. /./-/3'2 5 6./24+. 6.0 6/,;0 2 /8-#''& #? '2'' ,*.7;,6 6.0 6/21,57 /0+,2*- 2 ; 26. 82/ 3- .0 : 2-6 , : 12/67*6 2 6.0 6/,;0 #?#'2'' ,- 6 ,0 /*2662 DA #"/ "'!!/8/ 5 7 6/21,57 : 0/,57* 6/00 54 6,?7603 6./24+.246 6.0 6/21,5-J 6.0 /033,-. 14 1 2 ,6- -003- - : 0 - 2 ?,2 06- 7*3 ,- ; ,660/ 7*3 7-6/,*H +0*6 /0 /0-.,*+ 305256,2* ,- 1/017/03 /2 :,6 8 .,5 . ,- 52*-,30/03 7*6, 0 ; /, 0 7*3 ,- 7 -2 4-03 ,* 57-0- 2 . : : 2//.7+0 3,7//.207 7*3 +/7?0 .0 7/2 : 76,5 ; ,660/ -003- 7*3 /226 7/0 /014603 -62 : 75 .,5 .4 -003- -600103 ,* .26 8760/ 7*3 7 2803 62 0/ : 0*6 4/*,-. 7 /03 3=0 8 . ,5 ; = 0?712/76,2* ; 052 : 0- 7 -2 ,3 17-60 6.0 7/*2662 2 52 : *,0/50 4-03 7/+0 = ; = 17,*60/- 7*3 0-105,7 = 3=0/- 7- 7 -2 62 52 24/ ; 4660/ 7*3 87GJ 6.0 7/,;;07*- 2/ : 0/ = 67662203 6.0 : -0 ?0- 8,6. ,6 62 1/0?0*6 : 2->4,62 ; ,60- .0 -2 6 8223 2 #?/ -0/?0- 7- 6,*30/ 62 *3,7*- 8 .2 2;67,* ,/0 ; = /4;;,*+ 62+06.0/ 68 2 1,050- 2 8223 2 3, 0/0*6 -105,0- 32%!3&.'" 9 #8&#78'5 8 .,5 +/28-,* /7M, ,- -4112-03 62 54/0C7 ; -50--0- ,* 6.0 ?,-50/7 .0 /226 2 $#82$3"#9 5 8 .,5 52*67,*- 7 C0 28 3=0 ,- 4-0 4 ,* 7 : 0*2//.20* .0 +4 : '2 6.0 7-6 *3,7* 3&&? .F98 57 03 4600/7 ,- 4-03 7- 7 -4 ; -6,6460 2/ 6/7+757*6. .0 /4,6 2 8'9%85 8 .,5 ,*.7;,6- 6/21,57 /,57 /2 : 4;,7 62 6.0 710 30 0/3 =,0 3- 7 -8006 7*3 0767; 0 14 1 2'::#/ / .'$/!/5 /2 : 6/21,57 : 0/,57 -05/060- 7 ;7 -7//6,5 /0-,* -, : , 7/ 62 -7*37/75 .0 : 2/0 2/ 0--5 75,3 4,5= .0* ,0- 2 !/239"$#/ 2/$/.%"/2$/5 &'.#/"#/5 &/.#)/ 7*3 #8'" #&5 -,76,5 -105,0- 7*3 2 / 38$2%#5 7/0 0767; 0 .0 .,660/ -.226- 2 2/$/.%"/2$/ 67-60 ,90 /.4;7/; 7*3 7/0 4-03 7- 7 62*,5 .0 ,*+7 0-0 4-0 6.0 /4,6- 2 !-2%32/".9& #8',"#/8& 62 ,*62G,5760 -.

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J # " 0/98 9 ,"= * ' 0, '!" #' % 2'*+'/ * -'!" #70

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* +98;*+ ;:' / +7'+79'C9+* ?" #!/ #'8$/' 08B'08'?@>@ *+9" /8$%'"&' ;+8082?9#49 ?'
0C9; ;:'>A'?708+'08' 0;:' 0;: +@= ;*'? +?' # $' 899#?9?? 9'08'?+ C +*+9#'0 '
C98 94+'49 ?#'08' ;40BC 9+9 A' 49 9='" &$-!'"+98B ;* #'? BC 9'" &$#7 /'0>+@?9'08'
4*C +*+9" 3(9!'&' ?98 *+9#'708 <0;+* '08'?@> *?49;= ;:#*;*+80C0@?' : - '*'4*C?@ 9'
/ +7' 1'7* ?9C+ 980@?'-* -9?#'08'*' B089'08' 9??' 9?7A' ;=97 ?49;+'>988A' = '
0 +9;' 9/'80B'*889?+#'0 +9;' BB98?9=' ;'*'C@ C'08' -?40@?'D@ 49'" $'&$/' 00?9#'8*C79'
?708+#' +7 4F' K ' B ;@+9#*+'+79' >*?9'0 '*' 9?7A'=9;?9' 40C 0@?'* >@B9;'"
23$-!')38&' ;= ?+ ;4+

P ,662-12/4:' P 4/-7,C,7' P 2 =7' P , 7/3,0/7

#$$3&.3"'/'E 7/0 52**05603 8,6.')9&$"#8'/'E ;=' 6.0 12 =1067 2*-' ,-2-60:2*24-' 52/2 7' ,:;/,5760
:-6,?76,2*'7-50*3,*+'7*76/2124-'2?4 0-'3/='2/ 0-;=' /4,6'7 ;4:,*24-'0:;/=2'8223='-60:'7*3'760/*760
07?0-' 46',*' '!"8$"#8' '6.0 -67:0*-'7*3'1067 -'7/0',*-0/603'246-,30'7' 0-;='3,-9' ,*,*+'6.0 ;2662:'2'
6.0'57 =GJ6.0'50 -'2'6.0'2?7/='7/0 10/ 056J6.0'-003-'7,#0'0*?0 2103',*'7'14 1='7/,'7*3'6.0'0:;/=2',-'
,,G,0',*'6.0'7 ;4:0*' .0/0',-'7-2'7'/07'7 ,*,6 C;0680 0*' #$$3&.3"'/'7*3'6.0'12 =1067 24-'1,0*67*3/24-'
"#2#8'/'G!')# # 5 24*303 2*'6.0',*-0/6,2*'6.0' :-6,?76,2*'7*3',-2-60:24='2'6.0'52/2 7'6.0':7*='
50 03'2?7/='6.0'-,:10-6=0'6.0'7*76/2124-'2?4 0-'6.0'-6/4564/0'2'6.0' /4,6'6.0'7 ;4:,*24-'0:;/=2

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6 . 0‘ 60G64 / 0‘ 2 ‘ 6 . 0‘ -60 : ‘ 7*3‘ 6 . 0‘ 7 60,0*760‘ 07?0-J ; 0-,30-‘ 8 . ,5 . ‘ , *‘ : 7*=‘ #$$3&.2"' ' "‘ G 3!!$: / 5‘ #'#"/8>‘
$%'"/ ‘ 6 . 0‘ 7*6 . 0 / 50 -‘ 210*‘ *07 /‘ 6 . 0‘ 621‘ . =‘ ,66 0‘ - ,6- ‘
#$$3&.3"'$ ‘ 1/,*5,17 =‘ , * . 7 ; ,6‘ 0G6/7 6/21,57 ‘ 4-6/7 ,7 ‘ ; 46‘ : 7*=‘ 7/0‘ *3,7*‘ 7*3‘ 7 7=7* ‘ 7*3‘ -2 : 0‘
/,57*‘ 7*3‘ 507*,5 ‘ 2 : 0‘ 7/0‘ 54 6,?7603‘ , *‘ 4/210‘ 2/‘ 2/*7 : 0*6 ‘ ‘ 52*67,6,‘ /0-,*2 -‘ 7/2 : 76,5‘ 7*3‘
. ,660/‘ 1/,*5,1 0-‘ 8 . ,5 . ‘ +,?0‘ 6 . 0 , /‘ ; 0 *,0-‘ 7‘ 67/6 ‘ 3,-7+/007 ; 0‘ 67-60J ; 46‘ 6 . 0‘ *76,?0-‘ 2 ‘ 4-6/7 ,7 ‘ 8 . 2‘
62‘ 71107-0‘ 6 . 0 , /‘ . 4*+0/‘ 7/0‘ /034503‘ 62‘ 6, , *+‘ 6 . : /‘ -62 : 75 . -‘ 8 , 6 . ‘ 5 7=‘ : , G03‘ 8 , 6 . ‘ 2/+7*,5‘ 306/,64-‘
07+0/ =‘ 30?24 /‘ 6 . 0‘ 0-. =‘ /4,6-‘ 2 ‘ 6 . , -‘ 7 : , =

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G 6# 9&&#'9 777 : #M ' M 'K5‘ ‘) (;) 5‘ #8)!

8 " > " ‘ J
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17,/-' 2112-,60' 62' 6 . 0' 1067 -' 6 . 0' , 7 : 0*6-' 7/0' /00' 6 . 0' 7*6 . 0/-' 0G6/2/-0' 6 . 0' . 7,/-' -60 760' 7*3' + 7*34 7/J
. 46' *0?0/6 . 0 0--' "' /8)"'2'' : 7=' . I R 2*-,30/03' 7-' /0+4 7/ 280/03' 3!--/!'2'5 "5

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0/9 , @ ! 97' : 8* ;?' GB*: I,

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3!-7/!/5 6 . 0 ' 6=10' 2 ' 6 . 0' 7 : , =' ,-' 3,-10/-03' 2?0/' 7 '
6 . 0' + 2 . 0 ' 6 . 24+ . ' 07-6' /0>40*6' ,*' 0G6/7 6/21,57 ' 246 . '
: 0/,57 ' . 0' 26 . 0/' +0*0/7' 7/0' 3,-6/,;4603' 2?0/' 6 . 0' '
6/21,57 ' 7*3' 87/ : ' -246 . 0/*' 60 : 10/760' M2*0-
3!--/!' ' 52*67,*' 7' . ,660/' 1/,*5,1 0' 8 . ,5 . ' +,?0-' 6 . 0 : '
62*,5' 7*3' 7-6/,*+0*6' 1/210/6,0-J 6 . ,-' ,-' 2 60*' 7552 : 17*,03'
;=' 7*' 75/,3' 1/,*5,1 0' *7 : 03' &'8'7#8A' 8 . ,5 . ' /0*30/-' -2 : 0'
-105,0-' 0 : 06,5 ' . 0' /226' 2 ' ' '##'7/' ,-' 4-03P,*' 4/210' 2*' 75524*6' 2 ' ,6-' -6, : 4 769,+' 756,2*' 2*' 6 . 0'
14 : 2*7/=' : 4524-' : 0 : ; /7*0E 6 . 0' *76,?0-' 2 ' ,/+,*,7' 4-0' ,6' 7-' 7*' 7*6,3260' 62' -*790 . ,60-' 7-' 32' 6 . 0'
246 . ' /,57*-' 6 . 0' ' '". '8$/"#/ ' . 0' 4/2107*' 2 =+7 7-' 7/0' -6, ' 1/0-5/,;03' 2/' 4*+' 3,-07-0-'
/)#'"/')#('"&#:3!#/5 7' - . /4 ;' 2 ' 6 . 0' *6, 0-' ,-' 7' -432/, ,5' 7*7 2+24-' 62' +47,724 : ' . 0' ;7/9' 2 ' 6 . 0' /226'
2 ' + 388#8/' . 3!-&$/ '%-/' ,-' 0 : 1 2=03',*' 0/4' 7-' 7*' 7-6/,*+0*6' 7*3' 7*6,3=C-0*60/,5J 6 . 0' 7 0-' 2 '6 . 76' 524*6/=' 7 -2' 4-0' ,6' ,*' - : 226 . ,*+' 6 . 0,/' . 7,/ ' . 0' 3/410' 2 ' 6 . 0' 246 . ' /,57*' + ?)$#/' &. #83&/' ,-' 0767 ; 0 ' . 0' /226' 2 ' *"/ '"#/' $"#/8)"/' 12--0--0-' 7-6/,*+0*6' 7*3' 62*,5' 1/210/6,0-' 340' 62' ,6-' 52*67,*,*+' : 45 . ' 67**,*

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4' 2 60*' +,+7*6,5 ' 8 ,6 . ' 521,24-' /0-,*24-' 4,50 ' /7/0 =' 0/056' 2/' -7/ : 0*62-0'
B "#73") / 5' 2/' 5 , : ; ,*+' ! ' & ' 4-47 =' 2112-,60' 2/' 8 . 2/ 03 ' '
2112-,60' 2/' 8 . 2/ 03' D7 60/*760' ,*' #7%$#/ 5' - . 2/6 =' 106,2 03 ' 52/,75024-' >4,60' 0*6,/0J
&$#. 9!'& - : 7 ' 2/' $' 2/' /034503' 62' + 7*3-' 6 !' ?7/,24-' 2 60*' /750 : 03' 2/'
17*,5 03 ' 0 8 ' ,//0+4 7/' N ' 2 60*' 7/+0' 103,50 -' 2,*603' 7*3' . /7560760 '
' < ' /00' 2/' 52* . 760' 76' 6 . 0' ; 7-0' 2/' /7/0 =' 73*760' 62' 6 . 0' 2?7/=' T' 2460/' 2 60*

C . ,-' 2/30/' ,-' 2 : ,6603' ,*' 6 . 0' 2/,+,*7 *

- : 7 0/ ' T' 7*60/,2/' 7/+0/ ' 12-60/,2/' 2 60*' 7/+0-6 ' -14//03' 2/' +, ; ; 2*-' 76' 6 . 0' ; 7-0' 2 ' . =12+=*24- ' 2/' ,*-0/603' 2*' 6 ,0' 621' 2 ' 6 . 0' 57 =G 64 ; 0 ' ' (' 2/' /7/0 =' E' 8 . 0*' 2*0' ,-' 1/26/4303' ; 06800*' 6 . 0' 7*60/,2/'-017 - ' 5 7803 ' ; 730' 2 ; 52/3760' 7C-6,?76,2*' 52*?2 460' - ' ,*-0/603' 8 ,6 . ' 6 . 0' 1067 - ' 4-47 =' ' ,4 6, 0 ' 6 . 0' /0-6' , : 10/ 056' DOG5016' #7!#$#/' 7*3' "#738#/ ' J :#!/ '8$&' 4-47 =' 6 . ,59 ' 0G5/0-50*6 ' -4 ; 4 760J /8$% ' 2 ; 2*+ ,*07/' 2/' ,*07/ 52/3760' 52* *056,?0' 6 590*5C3' 50 -' -4 ; 3, -67*6' ,*5 43,*+' 6.0' -6= 0 ' % ' /00 ' /7/0 =' 73*760' 62' 6 . 0' -017 - ' 2 60*' 2 ; ,>40' 7*3' ,*-0/603' ;=' 7 ; /273' ; 7-0J &$-!'' -, : 1 0 ' -4 ; 4 760 ' , , 2/ : ' 2/' +/7347 =' 3, 7603' 4187/3-J &$#7 /' 571,6760' 6/4*5760' 2/' 2 ; ,>40' 0*6,/0' 2/' 2 ; -54/0 =' 2 ; 03J 3(9!'& 68,* ' 52 760/7 ' 2/' ' T -0/,760' 4-47 =' ,*-0/603' ,*' 6 . 0' 7G,- ' 7-50*3,*+' 2/' 10*34 24- ' : ,5/21= 0' -410/,2/ ' /71 . 0' ?0*6/7 ' 0 ' 4-47 =' 571-4 7/' D7' 8 ,*+03' -7 : 7/7' ,*' "#& 8 5 2 ; 2*+ ' 60/060' 2/' 6/,+2*24- ' 52/,75024- ' 254 ,2,37 =' 2/' -516,5,37 =' (?7 ?03J ?7 ?0-' 52/,75024-' 7 60/' 17/6,*+' /2 : ' 6 . 0' -003 ; 07/,*+' 7G,- ' 0*3257/1' 2 60*' 17/6,*+' ,#2 : ' 6 . 0' 01,57/1 ' ' 08' 2/' : 7*= ' -2 : 06, : 0-' , : ; /,5760' ,*' T' -0/,0- ' 2 60*' 8 ,*+03J $'&$/' : 0 : ; /7*24-' 2/' 52/,75024- ' 2 60*' . 7,/=' 2/' 52662*=J /!%9 '8' $ ' 0- . =' ,*' "#738#/ ' " - ! ' -6/7,+ . 6J 23$-!')38&' 76 ' 8/,*9 03 ' 2/' : 0 : ; /7*24-' 7*3' 52*?2 460' J "/)#2!'' - . 2/6' 2/' 2*+ ' -410/,2/

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7 ,-6 . 0*0 k,,7 ,7 ' /,-*,7 ' 25 . =-,7 /,= 2,,,7 ,=. 6,7

632%-&#/22 ' 80/0' 1 7503' ; =' 0' 7*32 0' I, : 2*+-6' 9% 2# !3"#2' *0 G6' 8/7"/"#'"'5' ; 46' ; =' ,*3 ; =' *07/' 3!-7/F2'' 8,6 . ' : 2/0' /07-2*' #7%$#/' 1/0-0*6-' ?7/,24-' 12,*6-' 2 ' 7*7 2+=' 8 ,6 . ' %"-&3, /!/8'2'E 7*3' "#& /' 8,6 . ' #. "32/". '2'5' ,*' ,6-' /4,6' 52*?2 460' 1067 - ' 2 60*' 52*62/603' 2/' 2 303' 526= 032*-' 7*3' /0-,*24-' 4,50 ' .0' 2/30/' ,-' 8 . 2 =' 6/21,57 ' : 0/,57*E 2 ' ,6-' 1/210/6,0-' *26 . ,*+' ,-' ,*28 *

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. ' $9 , 9!/"5 \&>%4:#) ' 2 ' @(O4' %-.37-839&5 'M9/!5 !387>2!/<') ' - ' 9&9/!!-' <' %-.37-839&' % ' :"'' '5 <#$%' >\>H' . /"#'$/!' .!/2'8$/&' ' (?(@(E(' . /"$#$'' /$'$%'' $3 . ' P & 3:' (%' (/!('&5 , '/"#87' /$'$%'' , /&'' &'')&'<#$%':!39"-' /!, 9 '8' " - ! ' &$"/#7%$5 /?#!'

-' . 0/ ; 75024-' 2/' -4 , /46,52-0' & ' : 7*=' 60/060' 2, *603' 76' 6 . 0' *230-' ' 2112-,60' - : 7 ' 0*6,/0' -4 ; -0--, 0' 2/' 106,2 03' 2 60*' 7-5,5 03' 8 . 0*' =24*+' 0G-6,14 760' " '8 ' E' /0+4 7/' 1,*9' 2/' ?,2 06' -2 ,67/=' ,*' 6 . 0' 2/9-' 2' 6 . 0' ; /7*5 . 0-' -0--, 0' 2/' ,*' 7' 60/ : ,*7' 30*-0' 07 =' 5= : 0' . ' : 2*2-017 24-' 64 ; 4 7/' 10/-,-60*6' % < 2 ; 03' -0-6,?76,2*' ,*341 ,5760 ?7 ?760' 2 ' % < ' ,*-0/603' 2*' 6 ,0 /0501675 0' 2*+ 5 7803' /00' , : ; /,5760' ,*' 60-6,?76,2*' 5 78' 8 ,6 . ' 7*' 73*760' -57 0' ,*' /2*6' , : ;' -1/073,*+' - ' 4-47 =' <' -2 : 06, : 0-' % E 22' . =12+ : 24-' /00' 2/' 52* *760' 76' 6 . 0' ; 7-0' ,*62' 7' ?0/=' - . 2/6' / ,* +J :#!/ '8$&' , , 2/ : ' 2/' 7660*03J /8$%'"& 0G6/2/-0' ?0/-76, 0' 3,3= : 24-' 2/' 2?2,3' 50 -' 17/7 0 ' 210*,*+' 2*+,643,*7 =' % ' /00' -0--, 0' (% +2*24-' 50 03' 8,6 . ' (' 2/' -2 : 06, : 0-' %' 17/,067' - 0*30/' 1 750*67-J &$-!'' , , 2/ : ' 8,6 . ' 7-' : 7*=' ; /7*5 . 0-' 7-' 1 750*67-' ; /7*5 . 0-' -6,+ : 76, 0/24-' ,*-,30' 76' 6 . 0' 621J 3(9!'& 22' T -0/,760' -0 : , 7*76/2124-' : ,5/21= 0' ,* 0/,2/ ' 4*,5 0' 2*+

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" * -9'0' 8@ +'GB*: I %97 ?49;+'4*C?@ 9'G ;*: I '

7-50*3,*+' ',*5 4303',*'6 ,0'57 =G 64;0 '?7 ?0-' (%'1 700*6, 0/24-',*'6.0,/' 280/'.7 ' '7-50*3,*+'2?2,3J $'&$/'5/4-675024-J "/.%'" ,*07/J 2%/!/J/'71,57 ' " -! '-6/7,+.6',*'6.0'7G,-' 2'7' 24/=7;4:0*'J 23$-!')38& 2?2,3 2; 2*+J "/)#2!'' ?0/=-.2/6',* 0/,2/

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/7*90*,7

.,-'-:7 ' 7:,=',-'5 2-0 =7 ,03'62'6.0'6/,;0' #%8'/'2 ' /"-3.%-!!'2'5';46',-'3,-6,*+4,-.03';='6.0'0G ' 6/2/-0'7*6.0/-'17/,067'1 750*67 ,2*'-003'8,6.'-4; 60/:,*7'., 4:'7*3'-6/7,+.6'1:;/=2' 6'7 -2'711/275.0-' / /8&'#8'2 ',*'.=121067 ,-:'2*0 50 03'2?7/='17/,067'1 750*676,2*'7-50*3,*+'7*76/2124-'2?4 0-'571-4 0' ?7 ?0-'-0:,*, 0/24-'6287/3-'6.0';7-0'7*3'-6/7,+.6'0:;/=2J ;46' / /"9)8' ' 3, 0/',*'6.0,/'*07/ ='/00' ,:;/,5760'-017 -',*6/2/-0'7*6.0/-'0G7 ;4:,*24-'-003'7 60/*760' 07?0-'7*3'-1,903',* 2/0-50*50
4 8F ##/3''',*.7;,6'0G6/7 6/21,57':7/,6,:0'-.2/0-'7*3'1/,*5,17 ='6.0' 03,60//7*07*'7*3' 6 7*6,5

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0G60*3,*+ ,*62 50*6/7 -,7 7*3 *2/6. 80-60/* *3,7J 6.0=7/0 ?5,= /7/0 ,* 6.0 6/2 ,0- 7*3 - :,6.2 : 76,6430-

"/8F'8# 7/0 : 40, 7+,*24- 7*3 - ,+ . 6 = 7/2,476,0 .8"$8%#2#:3%48 8 .,, . :" (&# 2* : 7/,6, : 0 /25.-,* 6 0 0*7 87- 2/ : 0/ = ,6-0/ ;= 6.0 52 2*,-6- 7-607

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]/00 3" 98#$') 2 % E % #8-#838& 3" 9%#?>"49 -##3**5 #3 ':# '& $ ##&9/!!-$<#2'* ? /8- /& $%' 2$/!&5 /8)#8&'"$')<#$%5 $%' % 1 N>2'!!' 5 3" <#$% TE# . '":'2$ 2'!!& % ('8$"/!!- /$$/2%')5 .!/2'8$/$#38 2'8$"/! 3" $/&#!/" & 33$%5 3" 7"/89!/"5 /!,9 '8 9&9/!!-:!39"- " - ! % 3"" 3" !'&& 29"(') 1 3. .3&#$'

47 2/ 10/0,7 ! /7/0 = - ,/4; ;= - 7*3; /7*3,0-2 60*6;,592*03 76 6.0 *230- 7*3 -2 : 06, : 0- 2,*603 2112-,60 0*6,/0 4-47 = (*0/?03 -2 : 06, : 0- 8,6.246 *0/?0- 2 60* 4*,603 76 6.0 .7-0 0G-6,14 760 2/ 4/*,-.03 8,6. - : 7 -57/,24- -6,14 0- 0 8 /0+4 7/ N 2/ /7/0 = 4*,-0G47 6 3 50*6/, 4+7 -2 : 06, : 0- : 7*= 280/03 ,* 7 -, : 1 0 2/ 3,5.262 : 24- 22-0 2/ 30*-0 5= : 0 /7/0 = ,* 7 6.=/-2,3 2/ 17 ,,5 03 /750 : 0J -2 : 06, : 0- 08 280/03 -, : 1 = 2/903 2/ /034503 62 7 -,*+ 0 280/ J ,"/2$& 2112-,60 76 6.0 2/9- 4110/ 2 60* -57/,24- % E 10/-,-60*6 /00 2/ 4*,603 ,*62 7 % E 6226.03 57 =G 40-6,?76,2* , : ;/,5760 2 ,*-0/603 2* 7 .=12+=*24- 2/ -4; 10/,+=*24- 3,-9 0*6,/0 T ,3 2/ 75,*,760 5 78 *7903 2/ 7110*3,54 760 8,6.,* 70-6,?76,2* , : ;/,5760 2/ 68,-603J -2 : 06, : 0- :,*460 -57 0 ,90 2/ $ - & $,*-0/603 8,6. 6.0 1067 - -2 : 06, : 00- 0>47 ,*+ 7*3 7 60/*760 8,6. 6.0 : ?0/= /7/0 = 7 60/*760 8,6. 6.0 -017 - G:3!3%/8$%9&`5 -2 : 06, : 0- 080/ 6.7* 6.0 1067 - E :#!/ '8$& , , 2/ : X /8$%'"& ,*6/2/-0 32/-7 = ,G03 50 - 210*,*+ 2*+,643,*7 = 4-47 = - : 7 -2 : 06, : 0- D#8 -2 : 0 #!'8'2' 0 2*+7603 ,*62 7 +=*21.2/0 7*3 ;07/,*+ 6.0 -67 : 0*- 2* ,6- -4 : ,6 ;0*076.6.0 2?7/=J -2 : 06, : 0- D,* : 7*= - : 050F 2/ : ,*+ 7 -67 : ,*, 0/2,,- 7**4 7/ 3,-9 - ,+ . 6 = 73*760 62 6.0 ;7-0 2 6.0 57 =G 2/ -80 ,*+#,*62 -.2/6 + 7*3- ;0680 0*6.0 -67 : 0*- 2/ ;07/,*+ 246-,30 6.0 -67 : 0*- -67 : ,*230- 2112-,60 62 6.0 -017 - % 2 E 2/ % 4*,603 57/10 - 2/ 2 (2 8 .,5. T 7/0 7*60/,2/ 2/ 2 T 8 .,5. 7/0 7*60/2 12-60/,2/ /00 50 03 2/ /7/0 = T E 50 03 28,*+ 62 : 2/0 2/ 0--10/ 056 : 0 : ;/7*24- -0167 8 .,5. 3,-71107/ 07/ = J &$-!'& T E -6,+ : 76, 0/24- 7 2*+ 6.0,/ ,**0/ 03+0 2/ 76 6.0,/ 621 /00 2/ 4*,603 ,*62 7 -,*+ 0 2 ;03 2/ 6226.03 -6= 0 D 3!-2/". '2'I " 3(9!'& T 22 ?0/= /7/0 = -2 ,67/= D 9'"#/ 5 ,G03 ;= 6.0 : ,33 0 2 6.0 ,**0/ 03+0 7*3 750 62 4*,5 0- -1/,*+,*+ /2 : 6.0 ;2662 : 2 6.0 2?7/= 3,-6,*56 2/ 52.0/,*+ ,*62 7 50*6/7 52 4 : * 7-50*3,*+ : ,5/21= 0 ,* 0/,2/ 2/ 6/7*-?0/-0 : 0 : ;/7*24- 2/ 5/4-675024- /7/0 = ;0//,03 D 929%/!9& 5 ;4/-6,*+ 254 ,2,37 = 2/ -016,5,37 = ;= ?7 ?0- 2/ 71,57 6006.J ?7 ?0- -2 : 06, : 0- 7- : 7*= 7- 6.0 -017 - 7*3 8.0*' E 2112-,60 0,6.0/ 62 6.0 -017 - D -2%8#&5 6#&2/"#/5 '$"323.$#& 2/ 62 6.0 1067 - D 7"3&$' /4A -2 : 06, : 0- 324; 0 ,* *4 : ;0/ /7/0 = -4; ,*30.,-50*6 D1"-.#&5 929%/!9&5 5 F / 4 2/ -2 ,67/= ;= 7//0-6 - : 226.7*3 -.,*,*+ 64 ;0/54 7/ 2/ : 4/,5760 /7/0 = 8,*+03 2* 6.0,/ 5,/54 : 0/0*50J -2 : 06, : 0- /0*, 2/ : + 2 ;2-0 2 ;2?2,3 2/ 52 : H 1/0--03 ., : * : 7/+,*7 J -2 : 06, : 0- 301/0--03 -546, 2/ : ., 4,* 75,7 J /!,9 '8 24/= 2/ /7/0 = -4; 0-.= 1 7503 ,* 6.0 ;0*3 2 6.0 0 : ;/=2 2/ 2* ,6- -,30- -2 : 0

6, : 0- 2/ : ,*+ 7 6 ,,* 7=0/ 2* ,6- 32/ 7 -4/ 750 /7/0 = $ G6'!'J#/5 &A A #/8$! & " - ! : 2/0 2/ 0-- 54/?03 10/,1.0/,5 2/ 7**4 7/ D1"-.#& 5 2/ *07/ = -6/7,+.6 ,* 6.0 -5*6, 2/ : -003- J 23$-!')38& *7//28 1 7*2 52*?0G 2/ .7 5= ,*3/,5 ,*54 : ;0*6 2/ ?0/= /7/0 = 755* : ;0*6J "/)#2! 5= ,*3/,5 ,* 0/,2/ 2/ -410/,2/

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9C* ? @; +9= ;+0 * +00+79= 08 0>9= 4* A5 9+* ? *;= ?+ B9;? 7AC0:A@0@?# ;?98+9= 0; *; 9894 :A;0C 089# 8*89 A ?9?? 9 9+* ? / +7 ?4* 9? *+ +79 +0C 0 +79 4 * /# 08 ;*F9= +A 9? 40BC 9+9 A = ?+ ;4+ 1 9*-9? 95?+ C@ *+9

H A47; =9?9 1 080 * + / ?+9= 08 B>8 4*+9 ; g9?+ -*+ 0; * A5 / +7 40BB ??@8* ;98-9? 9+* ? @?@* A *B ?79= *+ +79 >*?9 0 +79 B> / +7 ?4* 9? 08B ;: * 4080;9+# -98A 8*89 A / +7 ?B* / ;:9= >*;=? /d$ +79 4 * / D 7"3&$' / 8@ + 1 B980@? B>8A0 *8479=# 4 84@ *8 08 40 9= D 1"-.#&4 5

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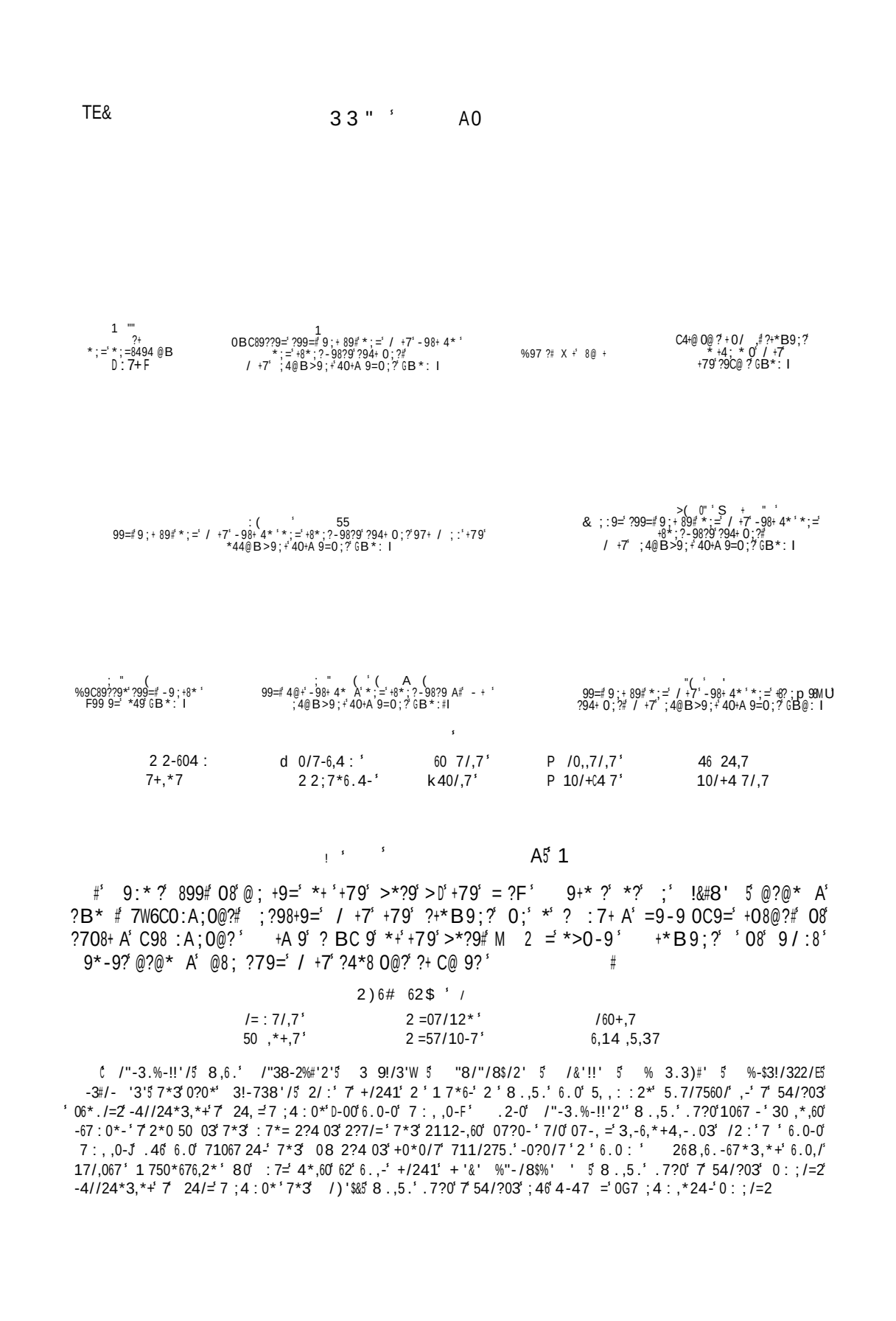

/"-3.% !!'W& : 2-6 =' ,* . 7 ; ,6' 6 . 0' 0G6/7 6/21,57 ' /0+,2*-' 2 ' 6 . 0' *2/6 . 0 / *' . 0 : ,-1 . 0/0 ' 0G60*3,*+' 62' 6 . 0' /56,5' /0+,2*-' 7*3' 62' 6 . 0' 621-' 2 ' 6 . 0' . ,+ . 0-6' 1-' . 0=' 7/0' /7/0/' ,*' 6 . 0' -246 . 0 / *' . 0 : ,-1 . 0/0 ' 7*3' -6, ' : 2/0' -2' ,*', . 0' 6/21,5-' 8 . 0/0' 6 . 0=' R7/0 7 : 2-6' 52* ,*03' 62' 6 . 0' : 24*67,*-

2 : 0' /"-3.%- ' ' 12--0--' /0 /0-. ,*+' 7*3' - ,+ . 6 =' 30 : 4 50*6' 1/210/6,0-' . 46' 6 . 0=' . 7?0' 7 0*' ,*62' 3,-4-0 ' 45 . ' 7/0' !3!37$'9 ' 9 , '!!/$9 5' '"/&$#9 ' /"('8&'5' $'!!/"#/>' 3%A$' /' 7*3' ')#/>5' 6 . 0' 7660/ ' A8 . ,5 . ' +/28-' 0?0/=8 . 0/0 ' ,-' 6 . 0' 52 : : 2*' . ,5 . 8003' 8 . 2-0' -003-' 2/ : ' 6 . 0' 223' 2/' : 7*=' 57+0 ; ,/3- ' . 0' -003-CP2 ' . '"79!/' 80/0' 2/ : 0/ =' /052 : : 0*303' 2/' 52*-4 : 16,2* ' . 0' /226' 2 ' / . /8/"#/' 3::!/#8/!#&5 7*' ,*3,+0*24-' -105,0-' 52*67,*-' 7' +4 : ' 7' /0-,* ' 7*3' 7' 1054 ,7/' : 7660/' 8 . ,5 . ' /26 . -' ,*' 8760/' ,90' -271 ' 8 . 0*50' ,6' . 7-' ; 00*' 1 7503' 7 : 2*+' 30 : 4 50*6' 7*3' 3014/76,?0' : 03,5,*0-J -2 : 0' 32562/-' 0?0*' -4 ; -6,6460' ,6' 2/' 7/-717/, 7' ,*' 57-0-' 2 ' -=1 . , ,-' . 0' VO . ,60' =5 . *, -' D + '!/8)"#9 ')#3#29 ' 7*3' -2%8#&' 2%/!2')38#' /' 7,00 7 -2' 4-03' 7-' 30 : 4 50*6-' #!'8'' $#: '&5 7' ; ,660/' 7*3' 7-6/,*+0*6' . 0/ ; ' ,-' 1/0-5/, ; 03V' 2/' . =3/21 . 2 ; ,7 ' . 0' /226' 2 ' #!'8'' (#"7#8$2/' ,-' 4N03' 7-' 7*' 7*6 . 0 : ,*6 . ,5', *' 2/6 . ' : 0/,57 ' ,*9-' 7*3' 0-105,7 =' 1#/8>' $%9&' /"-3 . %-!!9&5 . 7?0' -8006 -50*603' 1067 - ' 8 ,6 . ' 8 . ,5 . ' 5 . 0 : ,-6-' 1/017/0' 7' -=/41' 7*3' 7' 3,-6, 03' 8760/ ' . 0' 2-0' 7 : 1,2*' D -2%8#&' #$%/7) ' ,-' 52 : : 2*' 7 : 2*+-6' 52/*' @ ,6-' 7003-' 7/0' 75/,3' 7*3' /0*30/' ; /073' 12,-2*24-' 8 . 0*' : ,G03' 8 ,6 . ' 6 . 0' 24/' ,*' 622' +/076' >47*6,6,0-

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. / ' 6' ' ' =4 3'" . '$/!&' &3 '$# '& 23%'"'8$ /$ $%'' !3&'5 ('"-':(7/2#38&' ?8? %-.37-839& 3'" . '"#7-8 9&5 'M9/!' /8)' /!$'"8/$'' <#$%' $%'' 2/!-?>!3, '&5 3'")39,!'5 $"#.!'5 3'" 9!$#.!' #8' 89 ,'"' % ' 9&9/!!-' :"'' '5 "/"'!-' #8:''"#3"5 N> >2'!!') ' 0 ' #8)'%#&2'8$5 3'" /' .-?#)#9 5 3'" /' !329!#2#)9!' 2/.&9!' " - ! ' M#''"#.%''"#25 /"2%')' 3'" /889!/"5 &9""398)#87' /':!39"-' /!,9 '8

98>*490@?' *;;@* ?' 08' C989;; * ?# 0 +9;' ?@ 8@+ 40?9' 08' 8@+ 40?9'' ?+9B' *;=' >8*;= 9?' = @?9# : *>80@?' 08' / +7' ? BC 9' 8*89 A' ?+9 *+9' 08' 700F9=' 7* 8?' ' * +98;*+9' 08' 0CC0? +9# -98A' -*8 0@?' ;' 08B# 9;+ 89# ?9?? 9' 08' ?@> ?9?? 9# 0 +9;' 9?7A# / +7' *' ? ;: 9' ;98-9# 08' ;98-9 9??# ?0B9+ B9?' ?+ C@ *+9' 0 8 ' d # @?@* A' 89:@ *8' *;=' *5 *8A# ?0 +*8A' 08' -*8 0@? D6' = ?C0?9=# B?+ -*+ 0;' B>8 4*+9' .'= C7A 0@?# 08' B0;0?9C* 0@?' / +7' # M# \C ' = - ? 0;?' 2 ' # \5' M# 7AC0:A;0@?# 08' 8*89 A' ?@> 9C :A;0@?' G 3"$9!/2/ 5' = ?+ ;4+# 08' 40;;*+9' *+' +79' >*?9# -98A' +9;=98' *;=' @:*4 0@?# 0 +9;' =' - ' B7H'# ;?98+9=' 0;' +79' 8949C+*4 9' 08' 0;' +79' 4* A5# 899' 08' ;' >@;= 9?' :#!/ '8$& 08B' 08' ?@>@ *+9' /8$%''& ;+808?9# =97 ?49;49' 0;: +@= ;* ' 1' 7AC0:A;0@?# : 8= ;:' +79' >*?9' 0 ' +79' 0-*8A# -98A' 0 +9;' ;40;?C 4@0@?' % ' ?9?? 9# @?@* A' 899# ?0B9+ B9?' 7* ; 98 08' G 3"$9!/2/ 5' H 1 99 9=# 49 ?' 9 / B*;D ' 0-@ 9=" &$-!'' +98B ;* # / +7' ' >8*;479?# ?+ :B*+ 980@?' 0;' +79 8' ;;98' ?@8 *49" 3(9!'& ?9B *;*+80C0@?# 8*89 A' ?0 +*8A' ;' +79' H 49 9=' 0-*8 9?' G 3"$9!829"#/ 5' @?@* A' ;@B980@?# ;?98+9=' >A' ?9C*8*+9' @;4 9?' 0;'*' 49;+8*' 899' C *49;+*# 08' D 9;=@ 0@?' +0' @;4 9?' *?49;=;:' 80B' +79' >0++0B' 0 ' +79' 49 ' ;' +79' B*;A 49 9=' 0-*8 9?' H 08' 9/' 08' B*;A' ;' 9*47' 49 # *++*479=' +0' +79' 49;+8*' *;: 9' +780@:70@+' +?' 9;:+7# 08' +0' +?' 49;+89' 08' +0C' 0 ' *' =97 ?49;+' 4*C?@ 9# 08' 8*89 A' ;=97 ?49;+' G 3"$9!/2/"#/ ' ' 89; 08B# 0-0 =# : 0>0?9' 08' 9;+ 4@ *8" /!,9 '8' 0@8A' " - ! ' C98 C798 4# 4@8-9=' C8' *;;@ *8# ?@880@;= ;:' +79' * >@B9;' 23$-!')38&' ;4@B>9;+' "/)#2!'' *4 ;:' +79' 7 @B

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* A5' = C7A 0@?# 08' C*8+ +9' 08' M =' 9+* ?' # \5' M# 7AC0:A;0@?# = ?+ ;4+# ?0B9+ B9?' B089' 08' 9??' 40;;*+9' ;+0' *' +@>9' D+38$#/ ' +*B9;?' 9/98' 08' B089' +7*;' +79' ?9C* ?# 08' ;=9 ; +9# 7AC :A;0@?# ;?98+9=' * 0;9' 08' ;' >@;= 9?' *+' +79' >*?9' 0 ' +79' C9+* ?" *B9;+?' 899# 08' ! ; +9=' *+' +79' >*?9' -*8A' H 49 9=# 9/ ?9-98* 1B*;A ' 0-@ 9=# C *49;+*+ 0;' >*? *8' 08' 8996' 49;+8* " ?+A 9' 08B# 1 =' *C?@ 9' N ' -* -9= 1 98>*490@?' 08' 8@+9?49;+' C *;+?' 9*-9?' * +98;*+9' 08' 0CC0? +9# 0 +9;' 9?7A# ?0B9+ B9?' @8; ?79=' / +7' ;+8* 0 *8' ?+ C@ 9?' 4@+' ;+0' 7* 8?' 08' *4 ; ?9' 0/98?' ?0 +*8A# 08' 40 94+9=' ;+0' 8*49B9?# 08' ;+0' *5 *8A' 08' +98B ;*' 4AB9?

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D 3"$9!/2/ 5 H 99 9=# B*;A 0-@ 9="5 0-@ 9? *?49;= ;:# 59=5 +0 *5>*? *85 C *49;+*# 085 C9;=@ 0@?5 +0 5 +795 49;+8* 5 *;: 95 0 5 +795 49 ?5 ?+ :B*?5 5 *C?@ 95 0C9; ;:5 +8*;?E -98?9 A5 >A5 4 84@ *85 =97 ?49;49 1 9?>A5 : *>80@?5 798>?5 / +75 0CC0? +95 2/5 * +98;*+95 9*-9?# 0 +9;5 ?+ C@ *+9# 085 >9*8 ;:5 ?+ C@ 08B5 7* 85 ;5 +795 9* *5 ?5 0 / 985 *5 E *8A# ?9?? 9# ?0 +*8A# 085 : 0B98*+9# ;5 ?C F9=5 085 @B>9 9=5 4AB9?

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P 2/64 757 0-4?,4 : , /,7*6 ,0 : 7

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* A55 =5 085 C*8+ +95 080 *5 5 +*B9;? H # ;?98+9=5 ? ;: A5 085 ;5 C* 8?# 085 ;5 >@;= 9?# 0;5 +795 4* A5# >9+ / 99;5 +?5 ?9:B9;+?5 -*8A5 899# / +75 5 005 0-; 9=5 49 ?5 0-@ 9?5 C9;=@ 0@?5 +05 +795 49;+8* 5 *;: 95 0 5 +795 49 ?5 ?+ :B*?5 5 *C?@ 9# 04@ 4 =* 1 98>*490@?5 085 8@+9?49;+5 C *;+?# 40-989=5 / +75 ? BC 95 085 > *4@B ;*+95 7* 8?5 9*-9?5 * +98;*+95 085 0CC0? +95 0 / 985 *5 *8A# ?9?? 9

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,M22* 7 0*,75 ,*6 ,4-

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* A55 C*8+ +9# 085 M# C98? ?+9;+5 9+* ?5 # 085 -98A5 ;@B980@?# :@ *+9# ?@> C98 :A;0@?5 +*B9;?5 >AC0:A;0@?5 085 C98 :A;0@?# 9R@*5 *;=5 * +98;*+95 / +75 +795 ?9C* ?# 085 9 / 98# 085 BO89# 085 ;=9 ; +9# = ?+ ;4+# 085 *: :89:*+9=5 ; >@;= 9?# +795 0@+985 * +98;*+95 / +75 +795 4* A5 ?9:B9;+?5 -*8A5 899# B*;A 0-@ 9=# M 49 9=5 0-@ 9?5 59=5 +05 +795 ; ;98*;: 95 0 5 +795 49 ?5 >A5 ?9C*8*+95 @; 4 9?# 085 8*89 A5 ?0 +*8A5 *;=5 >*? *85 G 2"3&/8$%'& 5 *C?@ 95 @?@* A5 *;: @ *85 085 40BC89??9=# 04@ 4 =* 5 99=?5 *?5 ;5 3"$9!/2'2' 1 98>*490@?5 085 ?@> /00=A5 C *;+?# : *>80@?# 085 40-989=5 / +75 ?+9 *+95 7* 8?5 9*-9?5 0CC0? +95 085 * +98;*+9# 085 *?4 4 9=5 *;=5 C?9@=0 /708 9=# 0 +9;5 ?+ C@ *+9 5 0 / 985 480 / =9=5 ;5 8* 49B9?5 085 4AB9?# 085 ;5 *5 *8A5 085 9* 0CC0?9=5 @B>9 @ 9?# 8*89 A5 ?0 +*8A5 G 2"3&/8$%'&

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/=+,75 0,*4-5 2 4+25 .7 : 7504 : 5 5/2-7*6.0-
-7 : *26/21.05 30*2+/7 : :05 ,0 09,75 , : 04 :

3"$#)/2'$ 5 711/275.5 '$"/738#' 5 + '&' %"-/8#%'#8'2'5 7*35 /"38-2%#'2'5 D-005 6.0-05 7 : , ,0-F5 .05 6/,;05 2 5 +3!%$7#8'2'5 ,-5 7 -25 52**05603 8,6.5 3"$9!/2'2'5 ;=5 .7;,6 5 6.05 0*6,/05 0-.=5 07?0-5,* 2/0-50*505 10/,+=*24-5 52/2 7 5 2 60*5 5 6.05 ,-2-60 : 2*24-5 2/5 ,*30 ,*,605 -67 : 0*-5 3,-6,*565 2/5 7++/0+7603 5,*625 ;4*3 0-5 7 60/*7605 8,6.5 6.05 -017 -5 7*35 0-105,7 =5 ;=5 6.05 -6/4564/05 2 5 6.05 2?4 05 7*35 6.05 *764/05 2 5 6.05 7 ;4 : 0*

(*5 0*6.7 :5 7*3 2290/#-5 I 0*0/7 7*67/4 : # 3"$9!/2/5 /2 :5,-5 3,-017 24-5 57 =G 7*3 50 035 2?7/=5 ,-5 /0+7/3035 7-5 75 ?0/=5 5 2-05 7 =5 2 5 + 38$#/5 7*35 6.05 26.0/5 3,-017 24-5 3"$9!/2'2'5 ,*5 4303 ,*5 6.,-5 82/95 4*30/5 6.05 6/,;05 /!/8)"#8#22'E 8.,-6 '&9(#9 5D7*3 "#/8$%' / 5 8,6.5 ,6-5 E :0/24-5 ,-2 :0/24-5 10/,7*6.5 7*3J-0/0/7 50 035 2?7/=5 ,-5 1 7503 8,6.5 6.026.0/5 #J3#)'2'5 4*30/5 #23#)'2'5 7*3 /0 0//035 625 6.05 7 =5, 2/7 5 -4; 2/30/5 2 5 ,526=032*-5 25 324;65 6.05 #23#)'2'5 7*3 3"$9!/2'2'5 7/05 :0:;0/-5 2 5 2*05 +/0765 +/2415 D8.,5.5 -.24 35 7 -25 ,*5 430 '$"/738#'W' 5Y&2 Y5 6.0 0G,+0*5,0-5 2 5 75 ,*07/5 5 7-H -, ,576=2*5 /0*30/5 ,65 52*?0*,0*65 625 9001 5 6.0 :5 717/6 B *

3"$9!/('''7/0 *26'7;-2 460 ='7;-0*6 /2:' 7*='5,:760'7 6.24+.' :2/0 /7/0 ,*' 6,*0 60:10/760 /0+,2*-' 2' 4/210 7*3 50*6/7' -,7 6.7*',*' 2/6.' :0/,57' 2+6 ,*.7;,6 6.R,' -4;6/2 ,,07' /0+,2:-' 2' 6.0 -246.0/*' .0:,-1.0/0' #J3#)'2.'7;24*3 ,*' 246.' /,57'7*3 2554/',*' /7;,7 #06/70 7'7*3 ,*' ?0/='-:7'*4:;0/-',*' 6.0 03,60//7*07*' /0+,2*' ##4#22''7/0 :45.':2/0 8,30 =3,-10/-53 J *2*0'.280?0/'.7?0 ;00*' :06 8,6.' ,*' :0/,57*2/6.'2'6.0 6/21,5'7*3 ?0/=' 08'7/0 24*3 ,*' 60:10/760 -,7 7*3 4/210' 09% W 88#'/0 7/0 *07/=' 52-:212 ,67*@ 6.0='10*06/760 ,*62 6.0 52 3 /0+,2*-'2'6.0 2/6.'7*3 7;24*3 ;0=2*3 6.0 6/21,5-' 7*3 /76.0/' ,*' 6.0*2/6.0/*'6.7*',*'6.0 -246.0, *' .0:,-1.0/0' 7/0 :2-6 /0>40*6 ,*' 6/21,57 7*3 -4;6/21,57' /0+,2*-

2-6 2'6.0 -105,0-' 7/0 :45, 7+,*24-J -2:0 7/0 -,+.6 =';,660/'7-6/,*+00*6'7*3 ,7?0 ;00*' 57--03 7:2*+ -6 :,3 62*,5-'7*3 3,4/06,5-' .0 .0/;7+0 2'" :9%<8 3!'"/22/'.7-' 2*+'0* 2=03 7 /014676,2*' 7-' /0 /0-.,*+'-0376,?0 7*3 7*6,-52/;46,5' 6 ,-' 7 -2 0760*' 7-' 7 -7 73J ,6-' -003'-600103 ,*' 8,*0'756-' 7-' 7*' 0:0*7+2+40' 0?0/7' :0/,57*' 7*3 -,76,5' /! 9!"#8#'2'' 7/,0 7 -2 4-03 7-' 126.0/;-' 7-' 7/0 '&9"#9 3"$9!/2/&$ '7*3 "'.'8&5 8.,5.'+/28',*' 6/21,57' -,7' .0 /2260 2'6!/- #/' $8,'"3&/5 7*76,?0 2'07-60/*' ,;0/,7',-' 0767;0' /!#89 '7*3 %/"8/2'9 '7/0 ;,660/'7*3 7-6/,*+0*6'7*3 7/0 1214 7/' /0:03,0-' ,*' -,7 7*3 :0/,57' 237 ,-' 2;67,*03 ,*' 7;4*37*50 /2:' #J338 '9$ "F8&2 7*3 %#&.88F9 5 ;=' 57 5,*,*+

)) ' & #

D 2 '7'89&5 9&&#'9 5 - 1 4 41'&(/9? 5 - ! + 4 #8)!

- 9' 0/98 GB*:I

"98+4*'?94+0;'0' 0/98 GB*:I

< -"9 ?+ '*;=';=*;=8094 @B GB*:I

< 9' %*:8*B

< 9' 99=' 4@+' -98+4* A' GB*:I

< 9' & ' 0/98/ +70@+' +?'?+*B9;?' GB*:I

< 9 C9' 0/98 GB*:I

99=' GB*:I

' D 5@' 2 ' D4 %-.37-839&5 # ,"#2/$'5 /"2'&2'8$' - ' D' 3"' $'
? ' !>2'!!')5 .!/2'8$/&'./"#'$/!' 3"' ,/&#!/"5 9&9/!!-' (' /8->3(9!')' '/&2'8)#87J
2%/!/J/' /.#2/!5 ,'/")')' " -! ' &$"/#7%$5 '?/!,9 #839&' ' /!$'"8/$'5 "/$%'"'
$%#2F

P . ! 4 ! 4 08'?B* ' 4 / +7#>0+7'C98? ?+9;+' *;='*;;@*'4*=@40@?'
>8*;47 9+?' ' * +98;*+9# ?9?? 9# ?B* # ?@> B>8 4*+9# 8*+798' *?7A# ?0B9+ B9?'
BC 95 4@ # 9;+ 89# 0 +9;' =0++9=# @?@* A': *@40@?# 95?+ C@ *+9' " 8 ' C98 94+#
89:@ *8# /7 +9' 08' C ;F# >8*4+90 *+9# ;' +98B ;*' 8*49B9=' ?C F9?' .' 899# C98E
? ?+9;+# 0 ' G8*89 A' I' 6?9C* ?# B>8 4*+9# ?98 *+9# ?0B9+ B9?' 40;;*+9' *+' +79' >*?9'
2 ' # ;?98+9=' 4B' +79' 8949C+*4 9# B>8 4*+9' ;'>@=# B*849?49;+' - '9R@*'
+0'*;='* +98;*+9'/ +7'+79'C9+* ?# 08'=0@> 9' ;';@B>98# ;?98+9=' 0;'+79' 9=:9'0'*'7AC0E
:A;0@?' = ?F' :#!/ '8$& 899# @; +9=' *+' +79 8'>*?9' ;+0' *' 8 ;:# 4@C# 08' +@>9' /8$%'"&
;+8O8?9# =08? 59=# =97 ?49;49' 0;: +@= ;* ' % ' 899# ?9?? 9# @?@* A'M :0;0@?#
49 9=# / +7'(%' G8*89 A' 1N' C*8 9+*'08'>*? *'C *49;+*?' &$-!'& 9R@*' ;' ;@B>98'
+0' +79' C *49;+*?"' &$#7 /& 0>+@?9' 08' +8@;4*+9# = *+9=# ?0B9+ B9?' ?9?? 9"' 3(9!'&
;@B980@?# *?49;= ;:# *;*+80C0@?' ' 49 9=# 08' ;40BC 9+9 A' ?9-98* 49 9='
>A' +79' =9-9 0CB9;+' 0'+79' C *49;+*?# -* -9=# -* -9?' C *49;+ 980@?' *+' +79' >*?9'
' ;@B980@?# *?49;= ;:# / +7' B9B>8*;0@?' +9?+*# @8; ?79=' *+' +79 8' *C 4*'
47* *<*' / +7' *' =9;?9' >9*8=# 08' >9*F9=' *;=' @8; ?79=' / +7' ?C89*= ;:' C @B0?9'
7* 8?' " -! ' 95* >@B ;0@?# ?+8* :7+"' 23$-!')38&' 0> 0;:# 0>+@?9# C *;0 40;-95"'
"/)#2!"'?708+#' 40; 4* # ; 98 08

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P =/,57/,7' P 7:7/,G

0*6.7:'7*3' 2290/' ,6' .7?0' 52:;,*03' 8,6.'6.0' -:7 ' 7:,='2 ' 9 /"#&2#8'''5 '/9 9"#/2'2"'7*3'
6.0' +0*4-' //M9#'"/>5 8.,5.'711/275.',6',*' 756 ,*'6.0,/'-2:08.76 0-.=' 07?0-' :-6,?76,2*' .=12+=*='
3:$'8',-2-60:2*24-'2/'3,1 2-60:2*24-'52/2 7'2*0 50 03'2?7/='8,6.'17/,067'1 750*676,2*'571-4 7/' /4,6
0/056'7*3'.7,/='-003-J';46'3, 0/',*'6.0'-003-';0,*+'7;4:,*24-'7*3'.7,/='2?0/'6.0,/'0*6,/0'-4/ 750' '/9>'
$$"#/'#&'3,-6,*+4,-.03';='6.0'-2,67/=' 280/-'7*3' 24/='7;4:0*J 39M$#'"/'.7-'7' :2*21067 24-',?0 ,3'
52/2 7'8,6.'7' 2*+' 64;0' $ &' .=12+=*24-'-67:0*-'2'4*0>47' 0*+6.J 6.0' -003-' 7/0' -4//24*303';='
7':0:;/7*24-'8,*+'2/';=' 6/7*-17/0*6'.7,/-'8.,5.'-,:4 760' 7' 8,*+J 6.0' 7;4:0*',-' 0-.='7*3' 6.0'
280/-'7/0'-1,5760'2/',*'6.=/-2,3'17*,5 0-

b 79' ;4@=;:' 0' +79?9' :9;98*' ;' / /"#&2#8' ' 89R@ 89?' +7*+' +79' 08=;*'
47*8*4+98?' ?70@ ='>9' B0= 9=# *;='+79' 08= 8' +?9 '>9' >80F9;' @C' ;+0' +79' 0 0/;:'
+8 >9?# *?' C80C0?9=' ;'+79' 2 9;98*' *;+*8@B .

! ' ' + H

067 -' /00' 2/' *07/='-2' 003-' 0G7;7:,*2*-'.7,/=' 280/-'/750:03' 2/' -1,903'
/ /"#?5 + -"#2/"#/

' ' +

067 -' /00' 003-'.7,/='7'2?0/'J 7;4:0*';0680 0*' 0-.='7*3' 24/=' 280/-'-2,67/='
7G, 7/=' 7*3' 60/:,*7' 3!3!/2%8'5 '/9 9"+

! ' '

067 -'52**760',*62'7' 2*+'64;0' 003-'8,*+03'2/' 4/*,-.03'8,6.' 2*+'.7,/-' 280/-'
7/+0'17*,5 53' 392 9#'"#/' " '?

N 3 3 3

/ /"#&)8'W'7/0*07/ /"-3.*-!!2: 3"9!3''2:7*3 "/8 2'8#/2''"8 ,,*.7/D7017?7603 1/,*5,17 =;=6.0-6/4564/0 2 6.0,/ 2?4 0-7*3 6.0,/ 24/=7 ;4:0*J 6.0= 4/6.0/ 3, 0/ /2: /"-3.%-!!'2" 7*3 "/8%'8#/2' ',*6.0,/7 60/*760 7*3 0-.= 07?0-/2: 3"$#)/2'22,*.7;,6',*-0/6,2*"5 .0=.7?0 7-2-2:0 7 ,*,6= 8,6.'"/&&9%<'2'

/ /"#&'#8'2& D1/210/F 7/0 52* ,*03 62 6.0 3 VO2/3' 8.0/0 6.0= 0G60*3 /2: $m 62 EEm 2'*2/6.' 76,6430' .0= 1/0 0/ -07 -.2/0-' 6.0 :7/+,*-'2';/759,-.' 790-'6.0 ;7*9-'2' /,?0/-'7*3 62//0*6-',*-7*3= 2/ 5 7=0= -2, -' B '/9 9"#''' 0G60*3 /2:'6.0 0?7*6 62 0*6/7' -,7J $M9#'"/',-'7 0G,57*-./4; B " :

/ /"#&2#8'2''52*67,*'67**,*'/0-,*'7*3 7?2 76, 0 2, '8.,5.'/0*30/6.0:';,666C/7*3 7-6/,*+0*6' .0 ;7/9 2'+-"#2/"#/'7'" /8#2/',-'0:1 2=03',*' 0/:7*= 2/ 74*3,50J 6.76 2' / /"#?7/!!#2/',-'710/,0*6' '/88#:'"/5 8.,5.'+/28-'2*' 24*6 ,*7,' 7*3 0-08.0/0 ,*' /7;,7' -05/060-'*-'6.0 /0-4 6 2'6.0 14*564/0 2 7 =*,1-'7 -755.7/,*0 :7660/'04112-03 ;=-2:0 62 ;0 6.0 :7**7 8.,5.'03 6.0 0;/08-',*'6.0 30-0/6' .0 +7 -'2'26.0/ -105,0-'D7 -2 1/234503 ;=6.0 14*564/0 2'7*' *-056F 7/0 ?7 403 2/6.0,/-6/2*+ ='7-6/,*+0*6 1/210/6,0-

))) '

" G / %'&&')'& 1 " G #8)!

' 1N' 2 ' #%-.37-839&5 # ,"#2/$'' - '79/!3")39,!" $%" 89 ,'" 3:'$%"'.'$/!&5 %-.37-839&' % ' > >2'!!')' % '/8/$"3.39&' " '/ 2/.&9!'' '?/!,9 #839& 1 '3..3&#$'' 3":/&2#2!')5 &$#.9!/$'

6" ' 9 & ' D6*;=9=' 0/98 GB*:I

6" ' & ' 99=# 9;+89'*;=' 4@+' -98+4* A'GB*:I

6" ' &- ' %*:8*B

6" ' & ' 0/98 GB*:I

6" ' 9 & 0/98# 9*-92#*;='?+C@ 97 GB*:I,

6" & 5 5 6"
0 / 98 4@ - 98+ 4* A G ;*: I -@ 9 GB*: I $ 0 / 98?# 9*-9?# * ; = ?+ C@ 97 GB*: I

8 7 / 2 : 7 / - ! J -60 : - 5 / 001,*+ 2 -1 / 073,*+
2112-,60 / 7 / 0 = 8 ,2 / 03 -0--, 0 2 -4 ; -0--, 0 0*6,/0C2/ 6226 . 03 -6,14 760 0 8
+ - : 7 / 0+4 7 / 7 G, 7 / = -2 ,67 / = 2 5= : 2-0 T E 3,-6,*56 +0-6,?76,2*
, : ; / ,5760 2 T E . =12+=*24- 70-6,?76,2* , : ; / ,5760 - 0>47 2 /
324 ; 0 6 . 0 *4 : ; 0 / 2 6 . 0 1067 - . =12+=*24-J :#! / '8$& , , 2 / : -4 ; 4 760 / 00E
/8$%'"& ,*6/2/-0 32/-, ,G03 ?0/-76, 0 30 . ,-50*50 2*+,643,*7 % / 00 50 - 7-
: 7*= 7- -017 - J &$-!'& 7- : 7*= 7- 50 - 3,-6,*56J &$#7 /& 571,6760J 3(9!'& 2 ,G03 62
6 . 0 50*6/7 7*+ 0 2 6 . 0 50 - . 2 / ,M2*67 2 / -4 ; 7-50*3,*+ 7*76/2124- / 71 . 0 760 / 7
2 -410 / 2 / -016,5,37 ?7 ?0- 76 2 / ,* 0G03 07?,*+ 6 . 0 1 750*6, 0 / 24-
50*6/7 52 4 : *' / 00 ' *4 : 0 / 24- '5= ,*3 / ,5 -6/7,+ . 6 2 / 54 / ?03 -6 / 2*+ = -6 / ,760
6/7*-?0/-0 = / 7 / 0 = & 33$% 4 G+ '"# ' / 5 . , 4 : ; 7-, 7 / 0G7 ; 4 : ,*24- F6 - &
-6/7,+ . 6 2 / 54 / ?03J 23$-!')38& -. 2 / 6 2 ; 64-0 J "/)#2!'' = ,*3 / ,5 2*+ *07 / 6 . 0
. , 4 : A

76,*0 0/0,7 0/, : 07

!/$ 2/5 2 : 0/ = 1 7503 ,*' /"-3.%-!!'2'5 6/,;0 !)8'2'5 7/0 3,-6,*+4,-.03 ;= 6.0 571,6760 -6,+ : 7-
30.,-50*6 571-4 0 0G7 ; 4 : ,*24- -003 7*3 -6/7,+.60/ 0 : ; /=2 . 0=711/275. -. '"#2#8'2'', *' .=121067
,- : $%'' (< 50 ,03 2?7/= 8,6. : 7*= 2?4 0- J*' 075. 50 6.0 /00 &$-!'&5 60/ : ,*7 -6,+ : 7- 571-4 7 / 4,6
-6/7,+.6 2 / 54/?03 0G7 ; 4 : ,*24- -003 7*3 2112-,60 2 / 6?.2/ 03 07?0-J ; 46 ,*' !-.'"F ' 6.0 1067 - 7/0
68,-603 6.0 -67 : 0*- 4-47 = *4 : 0/24- 7*3 12 =730 1.24- 7*3 6.0 07?0- 0G-6,14 760 !/$#8''' 711/275.
-2 : 0 #%"/"#' 5 8.,5. .7?0 7 -2 ,-2-60 : 2*24- 2 / 3,1 2-60 : 2*24- 280/- 7*' 2?7/= 8,6. 682 2 / -0?0/7
: 7*= 2?4 03 50 - 7*76/2124- 2?4 0- 7 -016,5,37 571-4 0 0G7 ; 4 : ,*24- -003- 7*3 112-,60 07?0-J ; 46
6.0= 3, 0 / ,*' 6.0 64 ; 4 7 / 57 =G 10 / ,+=*,-/7 -, : 1 0 -6= 0 7*3 0G-6,14 760 07?0-
.0 +0*4- '$"/)#)#& D2 8/$"3./ 71107/- : 45. *07/0 !/$#8'/# 6.7*' [--3.%- '2'5 ,*' 8.,5.
0*6.7 : 7*3 2290 ,;# 1 750 ,6J ,6 3, 0/- /2 : [--3.%-!!' ,*' 6.0 *4 : ; 0 2 6.0 17/6- 2 6.0
280/ 6.0 30.,-50*50 2 6.0 571-4 0 6.0 *764/0 2 6.0 -003- "5 7*3 ,- 2* = -017/7603 /2 : !/$#8' ; =
,6- 0G-6,14 760 7*3 75,*,460 07?0-
!/$#8''' 7/0 8,30 = 3,-10/-03 0-105,7 = ,*' 6.0 3 O2/ 3 ,*.7;,6,*+ 3,65.0- 7*3 6.0 -4; : 0/+03
-.2/0- 2 12*3- 7*3 /,?0/- .0= 7/0 2 **2 4-0 62 : 7*

0*6.7 : 7*3 2290 1 750 ,6 ,*' 9$/2'$&5 6/,;0 9$''$5 7*3 *26 ,*' [-73.%-!!'2' B *

))) ʻ "/? 6A" "76 6

.< & 9&&#'9 1 < " ℔ ℔K& 1 1 < " ℔ & #8)!

+ʻ $07 ; .?ʻ & 08+ʻ
; ?-98?0ʻ ?94+ 0 ;ʻ
0ʻ ,K-) 8A GB* D I ʻ

+ʻ $07 ; ?ʻ & 08+#ʻ
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@ ; = 9ʻ 0ʻ ?+*B 9 ; ?

+ʻ $07 ; .?ʻ & 08+ʻ
9+* ʻ GB* : I

: ʻ %-.37-839&5) / <ʻ 8/F')5 3"ʻ :9"8#&%')ʻ <#$%ʻ /ʻ &2/!'>!#F'ʻ .#$ʻ = ʻ
89 '"3?#&5 %-.37-839&5 38/)'!.%39&ʻ 3"ʻ.3!-/)'!.%39&ʻ # "ʻ O >2'!!')5 3"ʻ N>2'!!')ʻ
%-ʻ# .'":'2$#38ʻ 3:ʻ $%"ʻ &'.$/ʻ # - ʻ 89 '"39&5 /8/$"3.39&ʻ - ʻ /ʻ 2/.&9!'5 "/"'!-ʻ
:!'&%-ʻ " ʻ '?/!%9 #839& 1 M ʻ 3..3&#$'5 '8$#"'5 9&9/!!-ʻ)3$$')ʻ <#$%ʻ.'!!92#)ʻ
7!/8)&
ʻ = ʻ / 00=Aʻ 08ʻ 798>*490@?#ʻ C989 ; ; * #ʻ 8*89 Aʻ * ; ; @* #ʻ D@ 49ʻ 89? ; 0@?ʻ 08ʻ BC =

>8*;479? 0CC0? +9 08 8*89 A / 7088 9=# :9;98* A :0;0;?# ?0B9+ B9? 40BC89??9= 08 4A ;=8 4# ?0B9+ B9? 79*+7 F9 0CC0? +9 08 8*89 A / 7088 9=# ? BC 9# C9;; ;98-9=# 9;+ 89 08 / +7 : *;=@ *8 +99+70 @?@* A ?C8 ;F 9= / +7 C9 @4 = : *;=? ?@;F ;+79 C*89;47AB*# *;= 9=:9= / +7 -9? 4@ *8 > *4F : *;=? & &$#.9!'& L R# 89:@ *8# @?@* A +98B ;* # C*; 4 9=# 08 ;= 470+0B0@? 4AB9? .C98? ?+9;+# 0 B089 08 9?? 40;;*+9 ?9C* ?# ?98 *+9# +79 +/0 0@+98 0 +9;+79 ?B* 9?+# 8*89 A =94@??*+9# +79 0@+98 *8:9?+# *#;= 40-98 ;:+79 ;;98 2 ;?98+9= 0;+79 8949C+*4 9# *? B*;A *? +79 ?9C* ?# ?9?? 9 08 4 */9=# 9R@* # B089 08 9?? ;9R@ *+98* # -9 ;? 8*= *+ ;:# :9?+ -*+ 0;40;+08+9= 08 B>8 4*+9 2!/<;*F9= D -.'"#29 5 08 @8E ; ?79= / +7 ;# *>0-9 +79 >*?9# / +7 *9?7A ?4* 9# 08 @880/9= ;?98+9= 0;+79 8949C+*4 9# @?@* A ;=9 ;+9# 8*89 A =9 ;+9# * /*A? B089 ;@B980@? +7*;+79 C9+* ? #:#!/ '8$& ;M 08 >@;=9?# ?0B9+ B9? * +98;*+ ;: / +7 : *;=? 08 7AC0 :A;0@? ?4* 9?# 08 889:@ *8 A C0 A*=9 C70@?# 08 @; +9= ;+0 *+@>9# 08 R@ +9 899 /8$%'"& ?B* # ?@>:0>0?9# ;+8O8?9# ?@> = =AB0@?# 0 +9;+ CC9= >A *: *;=# 49 ? C*8* 9 # 0C9;;:0;:+@= ;* A % 0 4*8C9 ?# 08 0 H D 8)3)'& #/ 5 49 9=# 08 / +7 *? B*;A BC98 94 49 ?" &$-!'& *? B*;A *? 4*8C9 ?# 08B " &$#7 /& +98B ;* # 4*C +*+9# C9 +*+9 08 4 *-*+9 3(9!'& ;@B980@? ;9*47 49 # ?98 *+9# 8*89 A 9/ 08 ?0 +*8A D 8)3)'& #/ 5 @?@* A 7088 <0;+* # 8*89 A *?49;= ;:D /"387/5 &3"3> ?C98B*BI# *;*+8OC0@?# -98A 8*89 A C9;=@ 0@? D 8)3)'& #/ 0 *4*C?@ 9# @?@* A ?9C+ 4 =* # 8*89 A 04@ 4 =* D "/$3?-!385 !#</5 08 *;;=97 ?49;> 988A ?+8* :7+# 8*89 A 4@8-9=# 7 @B >*? *8# @;4 9 ?@> *+98* $'&$/ 48@?+*490@? 08 B9B > .*;0@?# =0++9= 08 ?B00+7# ?0B9+ B9? 00?9 A 49 @ *8# *8 08B " 2%/!/=/ = *B9+8 4* A 0CC0? +9 +0 +79 7 @B# 0 +9;= *+9= ;+0 *B9B>8*;0@? / ;:D !$</5 "/$3?-!38I " - ! ?+8* :7+ 08 4@8-9=# 95* >@B ;0@?" 23$-!')38& *+# 7* 4A ;=8 4 08 8*89 A 40 9=" "/)#2!' 4A ;=8 4# 0>+@?9# @?@* A 0;:98 +7*;+79 40+A 9=0;?# *;=;9*8 +79 7 @B

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=10/,5,,: ,-:,7 /762G=2* -5=/,4: -2/2-10/,*,,:

-.'"#D$#8'W& 7/0 5 2-03 52**05603 8,6. $#$$#:'"W& 7*3 9 '!!#/2'$ E 6.0= 7/0 7 ,03 62 9$$#:'#42" ,* 6.0,/ /0-,*24- 4,50 6.0,/ 606/7+ 2*24-;/7*5.0-2112-,60 0*6,/0 07?0-/00 2/ *07/ = /00 3054--760 4*0>47 -017 - 52*62/603 2/ ,:;/,5760 1067 - ,*30 ,*,60 -67:0*-, 7:0*6-4-47 = ,* -0?0/7;4*3 0-2/ :2*730 1.24-2*0 1 4/,50 03 2??/= .2,,M2*67 2/ 7-50*3,*+ 7*76/2124-2?4 0-571-4 7/ 2/ 0-.= /4,6 7*3 0G7;4:,*24-0:;/=2J 6.0 3,7+*2-,-7 :2-6 8.2 = /0-6-2* 6.0 4-47 = .0/;75024- -60:2 - .'"#> 2#8'28& 6.0,/ *26 2,*603;/7*5.0-0--52/,75024- 07?0-7 87=-10/ 056 280/-7*3 ,,2/:-6=0- .0= 711/275. /.8'!!#/2'/,* 6.0,/ /00 -017 -,:;/,5760 2/ 52*62/603 1067 -,*30 ,*,60 :2*730 1.24-2/ 12 =730 H 1.24- -67:0*-7*3 52**056,?0 2 60* +7*34 7/ 76 6.0 621 6.0,/ 571-4 7/ 2/ 0-.= /4,6 7*3 0G7;4:,*24- -003 6.0= 7/0 1/,*5,17 = -017/7603 .= 6.0,/ /0-,*24- 4,50 2112-,60 07?0- 7*3 ,* 2/0-50*50 .0= .7?0 7 -2 7 5 2-0 7 ,*,6= 8,6. #&:#8'/ ,* 6.0,/ 682 -0/,760 -017 - .=12+e*24- 52*62/603 1067 - *4:0/24- -67:0*-2*0 50 03 2/ -4;1 4/,50 03 2?7/e 571-4 0 8,6. -016,5,37 ?7 ?0- 8,6. 1 75046,0/24- :7/+,*-J ;46 ,* #&$#8'2" 6.0 -67:0* - 7/0 52:1 060 = /00 6.0 -6=0 ,- -,:10 6.0 0:;/=2 ,- :45. 54/?03 2/ 52,03 6.0 7;4:0* ,- 24/= 6.0 07?0- -6,14 760 7*3 4-47 = 7 60/*760 ,*7 = :2/0 6.7* 2*0 7*7 2+= .7- ;00* *26,503 ;0680 0* -."#2#8'$& 7*3 + -"$/2'2& D-00 6.,- 7:, =F

-.'"#2#8'2" 7/0 -1/073 2?0/ 6.0 60:10/760 7*3 .26 /0+,2*- 2 6.0 + 2;0 7*3 0-105,7 = ,* 6.0 *2/6.0/* .0:,-1.0/0 ,0= 7/0 *26 /7/0 ,* 6/21,57 :0/,57 ;46 ;052:0 -2 ,* 0>4,*256,7 -,7 7*3 /,57

-.'"#2#8'2'5 ,90 9$$#:'"/5 12--0--;7-7:,5 /0-,*24- 4,50- 8.,5. 28 7;4*37*6 = /2:'6.0 8223= -105,0- 7*3 8.,5.,* 6.0 .0/;75024- 2*0- 7/0 -05/0603 ;= ; 759 2/ 10 45,3 + 7*3- ?@;F ,* 6.0 17/0*

T<& 333 ' !

5.=:7' 2 '6.0' 07?0-' O,6.' 6.0-0' 4,50-' ,-' 1/0-0*6' 7' 50/67,*' >47*6,6=' 2 ' ?2 76, 0' 2,' 7*3' 7' .,660/' 0GH 6/756,?0' ,*' 6.0' .7/9' 8.,5.' +,?0' 3, 0/0*6' 1/210/6,0-' 62' !!-.'#>#88'/' .0',*3,+0*24-' -105,0-' 2' 6' 2.*C-' O2/6' 2/:0/ =' /052 : :0*303' 7-' 7-6/,*+0*6' 7/0' *2' 2*+0/' 4-03' 0 65016' !!-.8#29 ' .'":3"/$9 5' 2' 8.,5.' 6.0' 6,1-' ,* 4-03' ,*' 2 ,?0' 2,' 7/0' /4..03' ,*' Dg/ +246=' 17,*-' .0' 46-7*' G ' 8)"3*'" 9 5' 2/:0/ =' 4-03' 7-' 7' ?4 *0/7/=' .7-' 7 0*' ,*62' 3,-4-0' 8,6.246' +223' /07-2*' "/$3 "-!38' !3"8#(@##9!8#5' 7' - : 7 ' !7?7*0-0' 6/00',-' 0 : 1 2=03' ,*' 6.76' 524*6/=' 7-' 7*' 7-6/,*+0*6' 7*3' 3,4/06,5

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' 3 4' 9&&#'9 5 ' 4' /"$!#87 5 .4 4' #8)!

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"/"'!-' N>''!!')' % 8" 5 - ' (& ((' 8" 5 8" 5 K '
' ' #8' $%"' 2'!!&5 /&2'8)#87' ?94+ 0;'0'0-* A' B> A0 9;+89 / +7' +?' 99=# 99=4;+"98+4* A' %67 ;B'
3'" '"'2$5 /8/$"3.39&' " ' GB*: ' GB*: I *8 0=9 "A' B 480CA 9
/' 2/.&9!'5 "9:#'5 3'" ,'""-5 " - ! ' '?/!,9 #8/9&5 &$"/#7%$ 5 - 8 Q'
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'2/' '-2 : 06, : 0-' 5 , : ; ,*+' 2/' 01,1 .=67 ' 8,6.' /0-,*24-' 4-47 ='=0 28'
2/' +/00*' 4,50' ; /7*5.0-' 2112-,60' +0*0/7 ='606/7+2*24-' 2,*603' ' 2112-,60'
4-47 =' 3054--760' /7/0 =' 8.2/ 03' 52/,75024-' : 2-6 =' -.,*,*+'10**,*0/?03'-052*37/='
0/?0-' 6/7-?0/-0' /7/0 =' 10 45,3 14*56760' J .'$#3!'' 2,*603' 76',6-' ; 7-0' 62' 6.0' ; /7*5.'
0*6,/0' 7*3' 0G-6,14 760' 2/' ?0/=' /7/0 =' 1,**76,-056' 7*3' -6,14 760' D 9##8) ' " 8 '
8.,60' =0 28' 2/' /03' /0+4 7/' 12 =+7 : 2 3,205,24-' 2/' T' 60/ : ,*7' 2/' 7G, 7/=' -2 ,67/='
2/' ,*' 7-5,5 0-' 2/' 08 280/03' 5= : 0-' 6/,5.262 : 24-' 17*,5 0-' 2/' /750 : 0-'
T '<' /7/0 =' : 2/0' , : ; /,5760' 2/' 3054--760' ,*' 17,/-' -2 : 06, : 0-' 4/*,-.03' 8,6.' 17,/-' '
3054--760' ; /756-' 2 ' T <' /7/0 =' : 2/0' .=12+=*24-' , : ; /,5760' 2/' 52*62/603'
/7/0 =' 3054--760' ,*' 17,/-' ?0/=' /7/0 =' %' -4; ?7 ?760 B 8 ' '' - ',*H
-0/603' 2*' 6.0' /0501675 0' *4 : 0/24-' 2/' /7/0 =' 30 ,*,60' 7*3' 0>47' 2/' 324; 0' 6.0' *4 : ; 0/'
2' 6.0' 1067 -J :) / '8$&' 2 60*' 6.,59' 2/' -.2/6' /00' 2/Z?7/,24- =' 52**760' -2 : 06, : 0-'
4*,603' ,*62' 7' 0-.=' : 7--' 2/' ,*' ; 4*3 0-' 0>47 ,*+' ,*' *4 : ; 0/' 7*3' 2112-,60' 62' 6.0'
1067 -'-2 : 06, : 0-' 2*+' 7*3' , , 2/ : J /8$%'"& H>' D/7/0 =' F' 50 03' 50 -' 4-47 =' ,*07/

0))) !

=;+9 08 +98B ;* 95+8O8?9 O8 8*89 A ;+8O8*9 ?0B9+ B9? ?9?? 9 O8 DD *; D9= ; +79 B*?? 0 +79 *B9;+?0C9; ;: 0;: +@= ;* A O8 >A **; *D 0* K089 # " 8@= E B9;+*8A O8 BO89 O8 9?? =9-9 0C9= 1 * ~ *;=6) = 9 O8 ?@88O@;= ;: +79 0-*8A 0 +9;=9 ; +9 9 / 98 *;= 9?? 407989;+ +7*; +70?9 0 +79 S 0 / 98 % ?9*+9= 0;* *+ 8949C+*4 9 O8 * 9?7A = ?F B*;A 99 9= 8*89 A H 49 9=" &$#7 /& *? B*;A* ?? 49 ?# ?9?? 9 O8 ?@> ?9?? 9 8*= *+ ;: O8 407989;+ *;= C9 +*+9 O8 8*= *+ ;: *+ +79 +0C 0 *? ;: 9 9 0;: *+9= ?+A 9 ?0 B= B4 ?= ?+ ;4+ 0;* *? B*;A ?+A 9?" 3(9!'& 00 ; +79 49 ?# 59= +0 +79 49;+8* *;:7K O8 +894+ *;= >*?* *;*+8OC0@? - @?@* A >9+/99; 9?7A *;= 408 *490@?# ?0B9+ B9? ;=4= ?49;+ >988 9= O8 =8@C*490@?# ?0B9+ B9? / +7 *? B*;A ?9 I+ 4 = -* -9? *? 4+= ? = *8:9 0 +9; *8 *+9 8?+8OC7 0 *+9 " $'&$/ +7 ;# 408 *490@?# O8 8*;=A ?DI0;:A " ?+8* :7+ 95* >@B ;0@?# ;: +79 ?99= ?0B9+ B9? / +7 *-0 @B ;0@? 8*= 4=9 *;= B ;@+9 O8 ?4* A 40+A 9=0;?# ?0B9+ B9? = - =9= ;+0 40+A 9=0;?# / 7 47 *89 40;;*+9 O8 ?9C*8*> 9 / +7 = 4@ +A D "/)#2!' -98A ?708+ ; 98 08

P 4-,7 2?2 :,67	7/5,*,7 .003,7	7 21.= 4 : 0-,,7	7?06,21-,- 7 : : 07	./=-25 , 7 : = - k4,,*7

$$#:'"2 '7/0 ?0/= *07/ -.'"#2#8'3d 7*3 +/"27"/(#/2''' D-00 6.0-0 7 :, ,0-F ! ,0= 7/0 0>47 = 5 *70 62 / '!!#/2''&$,*'6.0,/ :2/0 2/ 0--3,-6,*56 -017 -'6.0 ^0-6,?76,2*' 2 '6.0,/ 1067 -7*3 52**056,2*' 2 ', 7H :0*6-J 6.0= 7/0 3,-6,*+4,-.03 ;= 6.0,/ 2112-,60 07?0-'6.0,/ 4-47 = 3,5 ,*24- 24/ :0/24- 280/- 8,6. 3054--760 -017 -7*3 1067 -'6 0,/ -6/7,+.6 0:;/=2'7*3 2 60*' ,*52*-1,5424- 526= 032*-' '6.0 9$$#:'"34 7/0 ,*60/6/21,57 'OG5016 7 08 *76,?0-2'6.0 87/:'/0+,2*-2' 2/6.' :0/,57 J 6.0= 7/0 :2/0 *4:0/24-, *' :0/,57 6.7*, *' -,7'7*3 7/0 /76.0/ /7/0 ,*' /,57

9$$#:'"2 280 6.0,/ *7:0 62 6.0 =0 28'2/ +/00*,-.' 4,50 8.,5.' 28-2* 6.0 ,,5, -,2*' 2'6.0,/ -60:' 7*3 8.,5.' 52*67,*-7.' 75/,3 /0-,* .0 3 ,*' -2 46,2*' ;= 7 ?2 76, 0 2, ' -2 :06, :0- :, G03 8,6.' 7 +4:= 1/,*5,1 0' .0 75,34 24- -4+7/= ;0//,0-2'-0?0/7' -105,0- 7/0 0767;0' .0 -003- 2'26.0/- 52*67,*' 7 ,G03 2, '7*3 6.0 8223 2'7 ',- 34/7;0' 7*3 .0*50 ?7 47;0' .0 ,*-1,--7603 4,50 2' '%"/)' $#38 2/8#,37#3#)'&$ 7 0= 2*' 6/00',-6.0 -7 /2* /03 52 2/03 217>40'- :226.' -.,*,*+ -4;-67*50 57 03 7/ ,37'5 8.,5.',- 7 /,5. ℂ2 30* =0 >8' 1,+:046Z 7*3 7 1280/ 4 14/+76,?0' .0 -7:0',-6.0 57-0 8,6.' %&$&#/ "3>$'/5 7 VO0-6 *3,7*' 6/00' 8.2-0 ;759,-.',660/ 4,50 6.,590*,*+ ,*' 6.0 7,/ ,- /0>40*6= 4-03 ,*-6073 2 -57:2*= .76 2' !/(/5 8.,5.',- 7 -2 54 6,?7603 ,*' 4/2107*' .26 .24-0-',- 1/7,-03 ,*' !7:7,57 7-7 ?4 *0/7/= .0 ;0//,0- 2' /!3.%-!!9 7/0 -8006' 75,34 24-' 7*3 7+/007;0' #83.%-!!9 5 7*' *3,7*' 1 7*6' 7 2/3- 7 14/+76,?0 7*3 0:06,5 /0-,*' 7*3 ,6- /226 ,- 52*-,30/03 3,4/06,5' .76 2' #"#:'#49 5 7 *76,?0 2' 0/4 0:,6- 7 ;7 -7:,5 2324/ 8.0*' ;4/*03' 7*3 ,- 4-03 2/ ,*50*-0' /!/%/5 2 '6.0 *6, 0- =,0 3- 7 4,50 G/22#$') + /"#/Q 8.,5.'/,?7 - 5217 + '&9/ &.'2#3&/ 7*3 :'"" ' /5 2 ' *3,7' .7?0 ?0/= .7/3 7*3 0G50 0*6 8223-J 6.0,/ 7/2:76,5 7*3 .,660/ /226 7*3 .7/9 7/0 1280/ 4 -432/, ,5- .0 /4,6 2'6.0 +/873&$' '8 D /"2#8#/ /873&$/8/ 5 7 *76,?0 '6.0 2 4557- D*28 ,*6/234503 ,*62 6.0 *6, 0-F 12--0--0- 7 ;,660/ 7*3 7-6/,*+0*6 /,*3 ;46 7 30,5,24- 14 1 8.,5.',- /0 /0-.,*+ 7*3 7*6,;,,24- .0 /4,6 2'6.0 +/ '/',- 7 -2 0767;0'6.0 8760/ 3,-6, 03 /2:,6- 280/- D'/9) " "'3!' ',- 0:,*0*6 = 3,+0-6,?0 7*3 6.0 4,50 2',6- =24*+ -.226-ℂ=,0 3- 7 ?0/=ℂ 7+/007;0 ?,* 4- ,>42/

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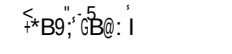

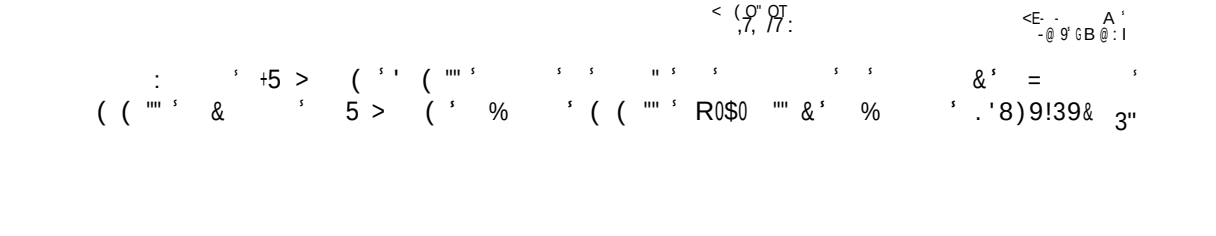

/&2'8)#87 " #8)'%#&2'8$ 3" 2/.&9!/" " - ! '?/!,9 #839& 3" /!,9 #839& OL
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8:9 O8 ?B / + / /*+98A D@ 49 +O= 4A ;=8 4 >8*;479?
* +98;*+9# O +9; *?4 4 9= *+ +79 +OC O +79 >8*;479?# A98A 8*89 A OCCO? +9 G /"-32/"5
/.!32!/$%"/5 U4 I# @?@* A ? B C 9# 8*89 A = : +*+9 G /"-32/"5 8$%3)#&29& 5 408 *490@?
O8 B9B >8*;0@?# C9; ;98-9=# 9;+ 89 O8 +OO+79= " &$#.9!'& # O8 -98A 8*89 A #
7 ;@+9# 4*=@40@? * 8*89 A = 4 ;0@? G 2$#8#)#/5 .%/!32/".9 5 U4 I#
89:@ *8# ?0B9+ B9?*5 *8A# ?0 +*8A O8 *?4 4 9=# ?0B9+ B9? ;**+98B ;* 8*49B9 O8
C*; 4 9 .')982!5 DO ;+9= *+ +?>*?9# ;* D9= O8 >8*4+9*+9 # 8*89 A N O#
899# O8? :7+ A 40;*+9 *+ +79 >*?9# B>8 4*+9 2 N#8*89 A N 1Q# 7ACO:A!O@?#
899# O8 O +9;98 407989;+ *+ +79 >*?9 ;+O **8 ;: O8?708+ +@>9# ?9?+ -*+ O; B>8 4*+9
O8 40;+O8+9= - @?@* A ;=9 ;+9# 8*89 A 9R@* / +7 +79 C9+* ?G '8$/.%-!M>?5
'!!#2#'"/5 O8 =0@> 9 D $/2%-9"9& 5 7ACO:A;O@?# 899 O8 -*8 O@? A 407989;+ *+ +79
>* 9# O8 *=7989;+ +O +79 >*?9 O +79 4080 *" /8$%'"& >*? 59= *;= 9894+# O8 *=O8? 59=
;= -98?+ 9# 49 ?C*8* 9 # OC9; ;: >A **? +# O8 ?OB9+ B9? >A *; *C 4* CO89
B /9"/9 /5 '8$/.%-!/? - + 899# ?OB9+ B9? B O89 O8 9??>@8 9= ;+79 +O8@?
G 88'&!'/5 6#&8'/5 >*?9 *8:9 *;= ?9?? 9# M G8*89 A I 49 9= G '!!#2#'"/5 O8B*;A
49 9= G 8$%3)#&29&5 .%/!32/".9 5 U4 I " &$-!'& 7-B*;A *?49 ?# 899 O8 BO89 O8
9??40;;*+9 " &$#7 /#CO ;+9= O8 O>+@?9 3(9!'& OO ;9*47 49 # 8*89 A ?O +*8A#
9894+# O8 708 <0;+* *;= *;*+8OCO@?# O8 C9;=@ O@?*;= *;*+8OCO@?6 O8 4*BCA O
+8OCO@?# ?OB9+ B9? 59= *+98* A *;= ?9B *;*+8OCO@? O 9?7A O8 408 *490@?
*;= ;=97 ?49;+ O8 *; 04@ 4 = * O8 ?9C+ 4 = * 4*C?@ 9 ;@B980@? O8 9/#
59= +O +79 ;;98*;: 9 O +79 49 ?O;C8OD94+ ;: 9?7A O8?CO;A C *49;+*?" /!,9K
'8 O +9; 4*;+A O8 # 8*89 A 40C O@? G 2$#8#)#/5 #"/9 /5 $/2%-9"9& " - !
?+8* :7+#4@8-9= O8 40 9=" 23$-!')38& ?OB9+ B9??9B 4A ;=8 4# 40;+ ;@O@?/ +7 +79
8*= 4 9# >@+ ?708+98# ?OB9+ B9? *8:98# *+# 48@B C 9=# O =9= 9;:+7/ ?9# O8 +7 4F
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9+* ? B>8 4*+9# O8 @; +9= ; * 4*C ;+798? =08? 59=# ?@> -98?*+ 9
8@ + ;=97 ?49;+ 99=? ?O +*8A ; +79 49 ? * >@B9; O8 -98A ?4*;+A 8*= 4 9
?@C98 08# -98A *8:9# >9;+ *+ +0C# O8 40 9= 40+A 9=0;? B ;@+9 1 9*-9? = : +*+9
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9/ * >@B9; 9?7A# @?@* A 4*;+A 9B>8AO ; 959= O8 *8479= 40+D=9=0;?
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,-*07 P 0/*-6/20:,7 0*671.=7G 3,*7*3/7 0=0/7 /0M,0/7 4/=7

.0-0 6/,;0-7/0 6790* /2:7 6.0 I 0*0/7 7*67*,: #3 #$$<74+ /"2::"/(#'#'5 2/ 8.,5.-00 1 T'E@B *

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9+* ?' B>8 4*+9' ;+798?' -98?*+ 9' 8@ +' -9 A' 8*8G A' ?@> G 9 ?4G2 +# @?@ A' C@ CA' 99=?' ;@B980@?# ?B* # * > ; ;9;' 40C 0@?# 9B>8AO' ?+8* D67+# O8' ? D6 +A' >9;+# 8*= 4 9' @?@* A' 0;:98' + *@' +>9' 40+A 9=0;? 1 899?' O8' @C8 :7+' O8' +/ ; ;:' ?78@>?' 9=@;4 9?' B*;A 0/989=

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P 74/74 7' 56,*,3,7' 675.=4*,-

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9+* ?' B>8 4*+9' ;+798?' -98?*+ 9' 8@ +' O4@ 4 =*'G @;@Pc @# %/#5 $9/"$#/ 5 O8' ;=97 ?49;+' G '! '#'"/5 .%/!32/".9 ' >@B9;' @?@* A' # O8' ?4*;+A# 40+A 9E =0;?'+7 4F# *+# O8' 48@BC 9=' O8' 0 =9="8*= 4 9'?708+# ?+8* :7+' O8' ;=959= 1 89 ?' O8' 9894+' ?78@>?' 9=@;4 9?' H 0/989=

P 647/6,7' P 2/32*,7 P 7:0,7' P ,07' 5.,:7' =/0*7/,7' 71 7007

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9+* ?' 40;+O8+9=' ;+798?' -98?*+ 9' O8' ?@> >*? 59=' *A?@ 9' ?9C+ 4 =* ' >@B9;' # O8' -98A' ?4*;+A# 9B>8AO' ?+8* :7+E 40+A 9=0;?' *8:9# 8*= 4 9' ?708+' 1 894+' +899?' 0/98?' ;' +98B ;*'C*; 4 9?' O8' ;' *5 *8A'8*49B9?

2**06,7' 7.4/07' 7/7,17' 7/,7' ¢ ,0:0 0/7

/ '!!#/2'2 ' 7?0' :7*=' 7 ,*,6,0-@' ' O,6.' 12 =1067 24-' 12 7*3/24-' .=12+=*24-' 7:,,0-' 8,6.' 7' 1 4/,254 7/' 1?7/=' D-00' -.'"#2#8'/' 7*3' 9$$#:'"2' ' .0=' -57/50 =' 3, 0/' /2:' #?#8' 5'62' 8.,5.' 6.0=' 7/0' 4*,603' ;=' 32%!3&.'" '/5 0G5016',*' 6.0,/' 2?7/=' 8,6.' 10/ 056' 50 -' 7*3' 6.0,/' 0G-6,14 760' 07?0-' .0=' 711/275.' 1#.$'"32/".#2'', *' 6.0' 12 =-017 24-' 57 =G' 6.0' 12 =1067 24-' .=12+=*24-' 52/2 7' 8,6.', :;/,5760' X70-6,?76,2*' 6.0' 12 =7*3/=' 6.0' -0?0/7 50 03' 2?7/=' 8.,5.',-' ;/273 =' -0--, 0' 2/' -,+.6 =' ;4/,03',*' 6.0' 62/4-' 6.0' 0G7.4:,*24-' -003' 6.0' 8223=' -60:' 7*3' 6.0' 7 60/*760' 07?0-J .46' 1#.$'"32/".'2 ' 7/0' -017/7603' ;=' 6.0,/' 10/-,-60*6' 7*3' 4-47 =' 755/0-50*6' 57 =G' 6.0,/' 2*0 50 03' 7*3' 2*0 -00303' /4,6' 6.0,/' ,7;,6' 7*3' 0-105,' 7 =' .=' 6.0,/' /0-,*24-' 4,50' .0=' .7?0' 7 -2' -2:0' 7 ,*,6,0-' 8,6.' #!#/2'2'5 8.,5.' 1/,*5,17 =' 3, 0/',*' 6.0' ?7 ?760' 57 =G' T' O,6.' :2*21067 24-' 7:,,0-' D-00' "#)8' 5' $-"/2'2 ' 7*3' %'8/3'2' ' .0=' 7/0' 4/6.0/' 52**05603' 8,6.' /.3$'/' 6./24+.' 9"-/' 7*3' !'"8&$" #/5 8.2-0' 52/2 7',-' :2*21067 24-',:.,35760' 3,1 2' 2/' 6/,1 2 -60:2*24-' 6.0' /4,6' 7' ;0//=' 6.0' -60:' 8223=' 7*3' 6.0' 07?0-' 7 60/*760' 7*3' 52/,75024-J ;46' /.3$'2 ' .7?0' 0G6/2/-0' 7*6.0/-

/ '!!#/2'/' 1/,*5,17 =',*.7;,6 6/21,57' :0/,57' 7*3' 07-60/*' -,7J ?0/=' 08' 7/0' :06' 8,6.',*' 2/6.' :0/,57 C7*3' 2*0' -105,0-' 2*=' G6#&8'/' +3'2/8'"/',*' 6.0' 7*7/,0-

2:0' -105,0-' 2' /9"/9/' 7*3' *#'! '-'"/' 7/0' :45,7+,*24-' 7*3' 0:2 ,0*6' 3")38#/' 52*67,*-' 7*' 7-6/,*+0*6' 1/,*5,1 0' 7*3',-' 4-03',*' 67**,*+' 076.0/' .0' -003-' 2' / '!!#/' /.38#2/5',*6/234503',*62' 4/210',*' '(Y' 7/0' ?7 403',*' 07-60/*' -,7' 2*' 75524*6' 2'6.0' ,G03' 2,' 8.,5.'6.0='52*67,*' 6-' 07?0-' .7?0' 7' -,+.6' 607 ,90' -50*6' .0' :2-6',:12/67*6' -105,0-' 2'6.,-' 7:,=',-' 6.0' 07' D %'/' 2%#8' #& 5' 8.,5.' -2:0' 746.2/-' 1 750',*' 6.0' +0*4-' / '!!#/' 82' 50*64/,0-' .7?0' *26' 0 71-03' -,*50' 07' 87-' ,/-6' 4-03',*' 4/210' .*3' 6.0' 7**47',:12/676,2*' *28' 0G5003-P'680*6=6820':,,2*-' 2' 124*3-' .0' -6,:476,*+' 1/210/6=' 2' 07' ,-' 340' 62' 7*' 7-6/,*+0*6' 1/,*5,1 0' 7*' 7M26,M03' -4;-67*50' 57 03' $%'#8'5' 7*3' 0-105,7 =' 7' -:7

1/212/6,2*2 -,+.6 =*7/526,5?2 76,0 2,J 6.0 07?0-7 -2 52*67,*7 52*-,30/7;0 >47*6,6=2 2/&'"8A7?0/=*46/,6,24-4;-67*50 8.,5.,-*26-2 4;0,*8760/J 8.0*506.0 ,;067*-7 60/3/,*9,*+6.0,* 4-,2*076 6.0;2,03 07?0-: ,G03 8,6.C 76 8.,5./ 2/:-7-4;-67*6,7 223 .0 682 1/,*5,17 07-2 52 : :0/50 7"''8 7*3,!/2F5;0 2*+62 6.0 -7 :0 -105,0-J 6.0,/3, 0/0*50,-,:1 =340 622 71054 ,7/1/017/76,2*2 6.0 07 ;0 2/0,6,-3/,03 7*=?7/,06,0-2 +/00* 7*3 ; 759 07-7/0 3,-6,*+4,-.03J 6.76 57 03 0920 ,-7 +/00* 607 :45./1/,M03 2/,6-50*6 8.,5.,-+,?0*62,6;=6.0 280/-2 !'/:"/7"/8& .0 .,*0-0 10/4:0 26.0/607-8,6.?7/,24-50*603 280/-45.7-6.0 /&8##89 / ,/2 7*3 / '!!#/ '//8.$/5 7*=7660:16-.7?0 ;00* :730 622 54 6,?760 607 ,* /7M,7*3 ,* 4/210 ;46 6.0 1/23450 57**26 ;0 52:17/03 8,6.6.76 /2: .,*7

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! 2/ 4*7/ : 03 ! 4 0/056 5 , : ;,*+ 2/ 01,1 .=67 7 60/*760 -, : 1 0 10**,*0/?03 0*6,/0 + 7;/24- -.,*,*+ 2,*603 62 6.0 ;/7*5.0- 0G-6,14 760 0 8 E /0+4 7/ ,* 4 : ;0 - /750 : 0- 2/ 60/ : ,*7 -1,90- .')982!'& 2,*603 76 6.0 ;7-0 4-47 = 4/*,-.03 8,6. ;/756- 8.,5. 7/0 -2 : 06, : 0- -755760 2/ .22303 7*3 106,2 03 %"/2$'3!'& 76 6.0 ;7-0 2 6.0 57 =G : ,*460 7*3 /0-0 : ; ,*+ 7* 2460/ 57 =G 2/ $ .2 T (< < -4;0>47 -017 - 3,-6,*56 2/ - ,+.6 = 52**760 76 6.0 ;7-0 , : ;/,5760 52/,75024- 4-47 = 52 24/03 305,3424- 2 , : ;/,5760 ,*-0/603 2* 6.0 /0501675 0 /00 2/ 52**760 76 6.0 ;7-0 0>47 7*3 7 60/*760 8,6. 6.0 -017 -J 2/ : 2/0 *4 : 0/24- 4*,603 ,*62 7 571 8.,5. 5,/54 : -5,--0- 76 6.0 ;7-0 - ,*-0/603 0,6.0/ ;0 28 6.0 2?7/= 2/ 2* 6.0 03+0 2 7 76 3,-9 +,/3,*+ 6.0 ;7-0 2 6.0 2?7/= ?0/= /7/0 = 0>47 7*3 2112-,60 62 6.0 -017 - G 9-&2%#/ 5 +0*0/7 = : 2/0 *4 : 0/24- G+/"'7"/(#/ > :#!/ '8$& /00 2/ 52**760 76 6.0 ;7-0 -2 : 06, : 0- 734760 62 6.0 ;7-0 2 6.0 1067 -J /8$%'"& ,*6/2/-0 2?2,3 ,*07/ 2/ 2; 2*+ ;7-, ,G03 50 - 2112-,60 52*6,+424- 210*,*+ 2*+,643,*7 = % -0--, 0 /00 -2 : 06, : 0- +,/6 76 ,6- ;7-0 ;= 6.0 -67 : ,*, 0/24- 3,-9 & E : 7*= 50 03J &$#7 / -0--, 0 2/ -4;-0--, 0 /73,76,*+J 3(9!'& *4 : 0/24- 76675.03 62 6.0 0-.= 7*3 1/2 056,*+ 2;0- 2 6.0

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C *49;+*?# *?49;= ; :# 0> 0; : ' $'&$/' *890 *+9# %#!9 ' *+98* # '8)3.!'9"/' B9B>8*;0@?'
" - ! ' 95* >@B ;0@?# ?@>4 *-*+9# ?+8* :7+' 08 ? :7+ A' *8479=' 40+A 9=0;? 0>+@?9'
"/)#2!'' 0;:# 40; 4* # *4@+9# ;9*8'+79'7 @B# ; 98 08

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.,-' ,66 0' +/241',-'5 2-0 ='7 ,03'62'6.0'?7/,24-'6/,;0-'2' '"8&$"2'8)/2'2'5 7*3',-' 52*-,30/03'2*0'2'
6.0:'.=' 0*6.7:'7*3' 2290/'6,' '6.0-0'6/,;0-'.280?0/' ' +J3,3!' '3, 0/',*'6.0,/'?0/-76, 0'7*6.0/-'
-410/,2/'/73,5 0'7*3'2112-,60'7*3'3,+,6760' 07?0-J'T' '"8&$" #'2&'3, 0/',*'6.0,/'2*0 2O0/03'1034*5 0J'
(' /9"/9 '$&',*'6.0,/' 0/-76, 0'7*6.0/-'7*3'521,24-'7;4:0*'J 7*3'26.0/-',*'6.0,/'52*62/603'1067-'7*3'
-016,5,37 =' 30.,-5,*+'571-4 0 C "5' +/"27"/(#/2''"' 7/0' 7-2' 3,-6,*+4,-.03' ;=' 6.0,/'-0--, 0' /73,76,*+'
-6,+:7'7*3'0-105,7 =';='6.0'-,*+4 7/'52* 2/:76,2*'2'6.0,/';/756-'-755760',*'+)"27"/(#/5'7*3'.22303',*'
3"/8$'/' .0='7/0' 7-2' ?0/='*07/' 9$$#:'"2'5'$#3='8.,5.'6.0='7/0' 2*='-017/7603';='6.0,/';7-,G03'
7*6.0/-'6.0,/'760/*760' 07?0- 7*3'6.0,/'-755760';/756-
+/"3::"/(#/2'2',*.7;,6'6/21,57' :0/,57' .0'/226'-60:'7*3' 07?0-'2'+'9 ,'!!/$/'7/0' /0*28*03'
O0-6' *3,7*'3,4/06,5-'7*3'7*6,-=1.,,6,5-

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L ! 4'8*89 A' " ! 4'0 +9;': :*;+4# 95@= ;:'*'89? ;0@?'D@ 49# 8*89 A'4 B>;:'
G 82#&$"3'!/)9& ' ' * +98;*+9# C9;; ;98-9=# R@ +9' 9;+89# 8*89 A' 489;*+9'
&$#.9!'&'?B* '08' *8:9# 4*=@40@?'08' C98? ?+9;+# ?0B9+ B9?' ?79*+7 ;:'*;='9*- ;:'*;'
*;;@ *8'?4*8'0;' +79' >8*;47' " 8 ' 89:@ *8# 6# 0 +9;'0=080@?# ;'*5 *8A'C*; E
4 9?# 9>8*4+9*+9' 08' / +7' B ;@+9' =94 =@0@?' 8*89 A' *8:9' C98? ?+9;+' >8*4+?' .'
;' 0/98' 899' *;=' 4*BC*;@ *+9# 8*89 A'?708+' 08' *=;*+9' +0' +79' +08;?' 08' >*?9' 0'+79'
0-*8A' ?9:B9;+?' # B>8 4*+9' /79;'A0@;:# ?0B9+ B9?' ?@> -* -*+9' ;'*:9':"9#$#87'
2/!-?' 9; *8:9=# ?9:B9;+?' @;* +989=# 08' ' 08' *!' 0 *490@?' 08' -*8 0@? A' 95C*;=9='
2 ' # ?+80;: A' 40;+08+9=# 899' 08' 40;;*+9' *+' +79' >*?9' - ' 9 +798' 00 00'
?98 *+9# 08' H' ?98 *+9# 08' H' ;'C* 8?# N' 95+98 08' *;=' ' ;+98 08# 08' '08' H' H ?98 *+9#
;?98+9='0;'*' 7AC0:A;0@?'08'?@> C98:A;0@?'+08@?':#!/ '8$&?708+# 0 +9;'= *+9='*'+'+79'
>*?9# 899' 08' 40;;*+9' *+' +79' >*?9# 08' 40798 ;:'/ +7' +79' C9+* ?' /8$%'"'&9894+# 49!9=#
=97 ?49;49' ;+8082?9' 08' *+98* # 49 ?' 9R@*' 08' 0;9' ?B* 98# 40;;94+ -9' ?0B9+ B9?'
4@B ;+9' 08' *8 ?+*+9' % ' ;?98+9='>A' *'>80*='>*?9' 08' ?@> BB98?9=# M' G8* .9 A
H' 08' I49 9=' &$-!'' ?@>@ *+9' 08' +7 4F9;9=' &$#7 /'? BC 9' 08' M 0>9=' 3(9!'& ;'C* 8?#
C9;=@ 0@?' 08' *+98* A' *++*479=# *;*+80C0@?' / +7' ?@C98 08' B 480CA 9' *;=' -9;+8* '
8*C79# 08' H' 08' B>89' 9894+' ;'+79' H 49!9=' 0-*8A' 2 ' 899' 08' *=;*+9' +0' +79' 4* A5#
H' G8*89 A' I' ?99=9=# ;=97 ?497+' 08' *+' 9;:+7' M -* -9=' ' @?@* A' ;-98+9=#
8*89 A' 9894+# +9?+*' +7 ;# * >@B9;' ' 23$-!')38& 9 +798' +7 4F' *;=' 9R@*' 08' @%9R@* #
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X .,-',-'7*'0//2/@ 3")38#'/'7/0' 254,5,37'7*3',7?0',:;/,5760'1067-',90'+/"27"/(#'< B *
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1#.$'"32/". '2 7/0 7 ,03 62 #!#/2'3 7*3 '#48&$" 8#/2'/6 3, 5/,* ,@ /2 : ;26.,*6.0,/ /5 ,*2,,7 *,5,0 /2 :6.0 2/ : 0/ ,*6.0,/ , : ; /,5760 57 =G 7*3 /2 :6.0 7660/ ,*6.0,/0* 7/ 53 /4,6,*+57 =G 7*3 -2 ,67/= 0G7 .4 : ,*2,,- -003 .0 /0 : 7/97; 0 *3,7*7*3 /,57*+0*4- 82F$"32!/#%#83 8 ,,5. ,-7 5, : ;0/ .7 ,66 0 7 ,*,6= 8,6. 6.0 /0-6 2 6.0 2/30,#7*3 .7- ;00* /0 0//03 62 '"2%#8$!984'$. ; = ,87,60-7*3 324;6 4 = 1 7503 *07/ - 2/". '2 ; = ,?0/

7/0 *76,?0- 2 6.0 .26 37 : 1 2/0-6-2 *3,7 7*3 6.0 7 7=7*, - 7*3- 0G501607 08 /,57*-,,05,0- + 1#.:'"32 .'/ /"' / 9') 2/ 6.0,/ : 7+*, ,50*6 6, : ;0/J 7- 6.0 7 DA %8"'/ 8 ,,5, 7-2 =,0 3-6.0 7 : : 7/ /0-,* 57 03 7 2/ .22 : 7 ,* *3,7 .0 7 : 24- 2/*02 57 : 1.2/ ,-6.0 1/23450 2 "-3%/!/83.& / .%3"/E ,6 ,- 24*3 ,* 6.0 2/ : 2 =0 28 /0567*+4 7/1/,- : - ,* , --4/0- 2 6.0 82,g3 **3 ,-5.,0 = 0G12/603 62 .,*7 8.0/0 ,6 ,- 0 : 1 2=03 7- 7 62*,5 7*3 71./23,-,75J ,* 2/*02 ,6-03 ,6 ,- 4,R03 7- 7 3,4/06,5 7*3 ,* *01./,6,5 7 056,2*- 7*3 7- 7 1214 7/ /0 : 03= 2/ /.24 : 76,7,* ,0 6/605 =,5 3,*+6.,- 3/4+ ,-6.0 *2; 0-6 ,* 6.0 2 : 07* 2/0-6- 7667,*,*+ ($ 006 ,* .0,+.6 8,6. +,+7*6,5 ;,,66* V5- .0 8223 ,-30*-0 7*3 .7/3 7*3 1/0 0//03 62 7 26.0/- 2/ ;276 1 7*9-J ,6 ,-/033,-. 7*3 /7+/7*6 8.0* ,/-6 546J 6.0 280/- 7/0 30 ,5,24- = /7+/7*6 7*3 6.0 07?0- +,?0 7 ; 40 6,*+0 62 8760/

.0 /0-,. 2 1#.$'"32/".9& $"#8'"(#&,- : 730 ,*62 1 7-60/- 7- 7 -2 ,*62 7 6,*564/0 8,6. 7 52.2 7*3 ,*62 7*0 : 4 -,2* 8,6 0++- 4-0 4 ,* 3,-07-0- 2 6.0 : 4524- : 0 : ; /7*0 .0 !7?7*0-0 - : 07/6.0 /0-,* 2* 1 7*67,* 07?0- 7*3 6.4- : 790 62/5.0- 8.,5 =,0 3 7 8.,60 ,+.6 7*3 .7?0 *2 4*1 07-7*6 - : 0 7 : : 7/ /0-,* ,- 7 -2 =,0 303 ; = 6/$#2/ %/22#:'"/7*3 9 %9-8#/ 1/#2"#/ #8$##2/ =,0 3-6.0 *3,7* 217 ,*0= ?7/*,-. 2/ 8.,60 7 : : 7/ -2 : 06, : 0- 57 03 *3,7* *, : , 8.,5. ,- 7 -2 4-03 7- 7 : 03,5,*0 7*3 : 730 ,*62 57*3 0- O223 2, ,- 6.0 1/23450 2 ?7/,24- -105,0- 2 1#.$'"32/". 9&5 7- !34(#&5 /8-##&$#:3!#9&5 J'-!/8#2#95 +&.#)9&5 13(9/'&'-!/8#2/ 0G430- 7 52 24/ 0- -+4 : /0-,* : 45. 4-03 ,* 0= 2* 7- 7 ?7/*,-. B " :

333" A5A %39/"&

L ! 08 " " " * +98;*+0# R@ +9 9;+ 89# 408 *490@?# C9;; ;98-9$# 0 =9 ;' >@=' &$#.9!'& 08 -6 D 4*=@40@? 0 8 6# 89:@ *8# ;' = 470+0B0@?' 4AB9? 08 CQ#; 4 9?# >8*4+90 *+9 /' ;-0 @49 *+9 & ' 899# B>8 4*+9 2 N N# 40;+08+9=' ;' >@=# 899# 7AC0:A;0@?' - BL7 '# ;?98+9=' / +7 ;' *;' 9;+ 89 08 +00+79=' 4@C ':#!/ '8$& 08B /8$%'"& -98?*+ 9# =97 ?4 ;:' 0;: +@= ;* A# 40;E ;94+ -9 0 +9;' C8O=@49=' - M 99 9=' ?+A 0 0;:# ? BC 9 ? f B *' M 0>9=' 3(9!'& XT C9;=@ 0@?# 08 22 708 <0;+* ' ;' 9*47 49 # *;*+80C0@?' 04@ 4 =* A' M' -* -9=# 08 >A' *889?+ 4R 9=' *;=' H ?99=9=' C9;=@ 0@?' 08 ?@> 708 <0;+* ' $'&$/' 408 *490@?' /!,9 '8 9?7A' 08 708;A' " - ! % ?+8* :7+' 23$-!')38& 9* A# *+' 08 C * +9=' "/)#2!' ?@C98 08

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b ?' +79' *>0-9' 9;@B 98*+ 0;' 0B +?' : ' '7*-GK' k -0;' +7GK' 0 0 / ;:' =9?48 CE + 0;' 0 ' +79' +8 >9?' *;=' :9;98*' 0 ' +7 ?' 95+9;? -9' *B A# / 7 47' ,-' +7*+' *=0C+9=' ,*' 6,*N 2 9;98*' *;+*8@B .

! 'N' G 5 67:,*7'52 4:*'7*6.0/,0/24-'62'6.2'62 F' = 4-'*-':7,,'7 /2?,,,9*' 50 -' 7/10 -'-017/76,*+',#2:'6.0'7G,-'DOG5016':" ' 7*3' /3 " B' 26= 032*-';,7' 5024-' 2 303'2/'52*62/603

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! '66' F R K 5 67:,*7'52 4:*'6/4*5760'2/'6226.03'7*6.0/-'2*',6-'2460/'-4/750' 6=0;/7*5.0-'$' 7/10 -' '-017/76,*+'/2:'6.0'7G,-' 26= 032*-'2' 7?070' /!/" <)5 !! V '8 ' '= ' "' '

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! ' '& -! K B 67:,*7'52 4:*'EB& 5 0 6' 76'6.0'621' 2/' /7/0 =' 62' 6.0' ;7-0' /7/0 ='0.6,/0' *6.0/-' /00'/0*,2/:'2/' 50 -' 73*760'+2;2-0',*07/'2;2*+' 2/'52*62/603' 6=0'0*6,/0'2/'8,6.'7-':7*=';/7*5.0-'7-' ?7/,7*' 50 -' 71-4 0' 254 ,5,37'2/',*30.,-50*6' 57/10 -'4-47 ='10/-,-60*6' 26= 032*-'?7/,7;0 B /00-

4;6/,;0' '$ #6!K 5(07?0-' 3,+,6760' /75602 0-' 3,-6,*56' 2/' $' 26= 032*-' 5 4:1 03'2/'52*?2 460',& '8 ':' 9'4 & & '=

4;6/,;0'T';J%B 07?0-',-,:1 0'(<*0/?03' /75602 0-' 3,-6,*56' 2/' $' 067 -' A' 26= 032*-'68,-603'2/'52*?2 460' 5 ' 0' "" ' ' "

4;6/,;0'(' 0 - K 5 07?0-'1' 76,-5,0-0' 067 -' $' *6.0/-'E' T 50 03'2/' $' 50 03'73*761','*'17,/-'62'6.0';/7*5.0-'2'6.0'-67:,*7'52 4:*' 26= 032*-' 76' D /2;7;=' 7'6/,;0'2'1 (" -B

4;6/,;0'%' K 5 07?0-' -,:1 0' 10**,*0/?03' >4,60' 0*6,/0' 01,3260' ;0*076.' 280/-',*?2 450 760' /4,6' :4/,5760' 26= 032*-' ?7/,24-' ("" 'F(' : ! ' 7 'V 5& :

+/!(/2'/'7/0'5 2-0='7 ,03'62' $'" !9<'"&' 7*3' #!#/2'/' D-00'6.0-0' 7:,,0-F' .0=' 7/0' -2' *07/' 3.#%/2'/'6.76' 0*6.7:'7*3' 2290/' 6,' .7?0'4*,603'6.0:'J .7?,*+'-017/7603'6.0:' /2:'P'"2#)#/3'D ' 2*' 75524*6'2'6.0,/'2*0 50 03'7*6.0/-'8.,5.'7/0'2*='7117/0*6='682 50 03',*'50/67,*'+0*0/7',*'8.,5.'6.0=' 7/0'4*,603',*'17,/-J 8.0/07-' $'"29!#/2' 5 8.2-0'7*6.0/-'7/0' 7117/0*6='2*0 50 03'7/0'-2'6./24+.'6.0' 52* 40*50'2'6.0'50 -' *' / %/''/'6.0'-67:,*7'52 4:*',-':2/0'2/' 0--'3001='3,?,303',*62' E &' ;/7*5.0-'075.'.07/,*+'T>0 7*6.0/-'-2:06,:0-' /00'7*3'/0*,2/:'D)/8&38#/ 5'-2:06,:0-'73*760'+2;2-0' D 2'!3&$'7#/ 5 2/',*07/'D+/$#&#/ 5 2/'-,*424-'D 2%"3 /'6.0'571-4 0',-' 254 ,5,37'2/',*30.,-50*6' 6.0' 526=032*-'7/0'52,03'D 2%"3 /5 2/'2 303'7*3'52*62/603'D)/8&38#/5 3 %/?5"5F'2/' 76'D %'9>'&$' 38 '+/! 2'2'' .7?0'7-2'-2:0'?0+0676,?0'5.7/7560/-',*'52:':2*'8,6.' "$#2'""'

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*' 0 : 2 , 0 * 6' : 45, 7 + 0' 7 ; 24 * 3 -' , *' : 2 - 6' 2 ' 6 . 0' - 105,0 - J V - 2 : 0' 52 * 67, *' / 00' 75,37 ' 7 * 3' 7 / 0' 0 : 1 2 = 03' 7 -' / 0 / 07 . , * 1℃ 3 / , * 9 -' ' 26 . 0 / -' 7 / 0' 5 7 - - 03' 7 : 2 * + - 6, : 4 7 * 6 - 2 / ' 75524 * 6' 2 ' 7' 52 * 67, * 03' . = 3 / 257 / ; 2 * ' 8 . , 5 . ' 756 -' 2 *' 6 . 0' : 45, 7 + 0 ' . 0' - 003 -' 52 * 67, *' 7' , G03' 2, ' 7 * 3' 6 . 0, /' 60 - 67' , -' 1 60 *' 8 22 = J 6 . 0' ; 7 / 9' 2 ' : 7 * =' , -' ? 0 / =' 60 * 75,24 - ' . 0' 07 ? 0 -' 7 * 3' 280 / -' 2 ' 7 28 -' G + / ! (/ ' - / 0 - * -' 7 * 3' " 3 $ 98) # : 9 * / ' 5 6 . 0' / 226' 7 * 3' 280 / -' 2 ' k 4, : 74 ? 0' G % $ & / ' 3 : : # ' # 8 / ! # & ' 7 * 3' 2 ' ! $ 9 ' / ' " 3 & ' / ' 7 / 0' 0 : 2 , 0 * 6 - ' . 2 - 0' + / ! (/ 2 ' $ '' 8 . , 5 . ' . 7 ? 0' 75,3' 4,50' 7 / 0' 1 / , * 5,17 =' 6 . 0' 8 . , 60' 7 * 3' / 03' 06 : , 0 - ' & ' # ! ! ' & ') '' 9 # 8 ' '' G ! # % # & 29 & ' / ,) / '' # : : / ' 7 * 3') # 7 # $ / $ 9 & 5 ' * 76, ? 0 -' 2 ' 6 / 21,57 ' / , 57 ' ; 46' * 28' 54 6, ? 7603' 6 . / 24 + . 246' 6 . 0' 6 / 21,5 -' 2 *' 75524 * 6' 2 ' 6 . 0' / 00Z 2G7 , 5' 75,3' 8 . , 5 . ' 0G, - 6 -' , *' 6 . 0, / ' : 45, 7 + 0 ' ' ' & ' 9 ! ' 8 $ 9 & ' , -' 7' 8 , 30 =' 3, 4 - 03' 6 / 21,57 ' 7 * * 47 ' , 6 -' + / 00 *' 571 - 4 0' , -' 7 / + 0 =' 52 * - 4 : 03 ' 0, 6 . 0 / ' ; = 3, - - 2 ? , * +' , 6 -' : 45, 7 + 0' , *' ; 2, , * +' 8 760 / ' 62' 6 . , 590 *' -241 -' 2 /' 0 - 0' 522903' 7 * 3' -07 - 2 * 03 ' . 0' / 226' 2 ' 6 . 0' * 3,7 *' / (38 # /' 3) 3 " / $ / ' , -' 7 / 2 : 76,5' 7 * 3' 7' 0 ; / , 4 + 0 ' . 76' 2 ' #) / ' ! / 8 ' ' 3 ! / $ / ' , -' 167, - 03' ; =' 6 . 0' * 3,7 * -' 7 - ' 7 - 62 : 7 + . , 5 ' # , F2 , ' ! 3 & 2 R # $ $ & ' = / ? 8 = Y ` ? ' # " % 5 7 * 76, ? 02 ' * 3,7' 7 * 3' += 16 ' 8 . , 5 . ' . 7 -' ; 00 * , * 6 / 23450 * 62' 6 . * 6 , 0 -' ' , 6 -' -003 -' D i 2 : \ 4 RN : E / 0 R 6 U F . 7 = 0' 7 Z 1 2 8 0 / 4 4 - 9 =' 1 / , * 5,1 0 ' 4 - 03' ; =' 10 / 4 : 0 / - ' # , # & 29 & ' 3 & / > # 8 ' 8 & # & ' 52 * 67, * -' 7' 52 24 / , * +' 1 / , * 5,1 0' , *' , 6 -' 280 / -' 8 . , 5 . ' 6 . 0' . , * 0 - 0' : 790' 4 - 02 ' 62' ; 7590 *' 6 . 0, / ' - . 20 -' 7 * 0 , . / 8 - ' # 2 ' / ' 6 / 88 / , # 8 / 5' 7' * 76, ? 0' 2 ' 246 . ' 4 / 210 ' . 7 -' 60 * 75,24 -' , ; / 0 -' , 90' . 0, 41 ' 7 -' 8 . , 5 . ' , 6' , -' 4 - 03 ' . 0' + 0 * 4 -' 3 & & - . # 9 ' 52 * - , - 6 -' 2 ' . 0 / ; -' 2 / ' - . / 4 ; - ' 8 . 2 - 0' 571 - 4 0' 52 * 67, * -' * 4 : 0 / 24 -' 2 ? 2, 3' - 003 -' 8 , 6 . ' 7' - 12 * + =' 60 - 67' 52 ? 0 / 03' 6 ? , 6 . ' 8 22 =' . 7, / +' 57 03' Z 2662 * ' 07 - , =' - 14 * ' 7 * 3' 6 . 0' - 24 / 50' 2 ' 7 *' , : : 0 * - 0' 52 : : 0 / 50' ; 06 8 00 *' 6 . 0' 6 8 2' 82 / % 0 ' . 0 - 0' 1 7 * 6 -' 7 / 0' , * 3, + 0 * 24 + . 246' 6 . 0' 6 / 21,5 - ' ; 46' 6 . 0, / ' 54 6, ? 76, 2 *' . 7 -' ; 00 *' + / 7347 =' 0G60 * 303' , * 62' 60 : 10 / 760' 76,6430 - ' . 0' 1 / , * 5,17 ' - 105,0 - ' ' % ' " , / ' 5' / 2 : ' 110 / ' + = 16 J ' / '" % 3 " ' 9 ' 7 * 3' " ' ! # 7 # 3 & 9 5' / 2 : ' * 3,7' J ' . ' " 9 (# / ' 7 * 3' % # " & 9 $ 9 5' / 2 : ' 6 . 0' 0 8 ' O 2 / 3 ' " 5 ' 7 / 0' 7 -' = 06' , : 10 / 056 =' 30 , * 03 ' 2662 *' 87 -' 9 * 28 *' , *' += 16' , *' 6 . 0' 07 / , 0 - 6' 6, : 0 - ' 2662 *' 003 -' 4 / 6 . 0 / ' =, 0 3' ; =' 0G1 / 0 - - , 2 *' 7' , G03' 2, ' 8 . , 5 . ' , -' 4 - 03' 2 / ' ; 4 / * , * + ' 5766 0' 223 ' 7 * 3' 2 / ' 6 . 0' : 7 * 4 7564 / 0' 2 ' - 271 ' : 2 * + ' 3 % / 2 ' < 5 6 . 0' 4 / , 7 *' 1 / 23450 - ' 7' 7 / + 0' 206, 3' / 4, 6 ' 6 . 0' 7 ? 24 / ' 2 ' 8 . , 5 . ' , -' 1 / 2 * 24 * 503' 62' . 0' * 0 > 47 03 ' 7 60 / ' . 7 ; , 6' . 7 -' 2 ? 0 / H 52 : 0' , 6 -' 3, - + 4 - 6, * + ' - : 0 ' . 0' 72 . 7 . F 7 - 74 ' 2 ; 2 * + ' / 4, 6 ' 6 . 0' - , M0' 2 ' 7' : 0 2 * ' , 03' 8, 6 . ZZ 7 , 34 24 - ' 8 . , 60' 14 1 ' : 45 . ' -34 + . 6' ; =' 6 . 0' * 0 + / 2 -' 7 - ' 7' 1 / 0 - 0 / ? 76, ? 0' / 2 , 3 = - 0 * 60 / = J , 6 -' ; 7 / 9' , -' 7' 0 ; / , 4 + 0

3 , / 2 ' / ' 7 / 0' 7 ' 7 / ; 2 / 0 - 50 * 6 ' 7 * 3' 1 / , * 5,17 =' 6 / 21,57 ' 7 * 3' , * 5 430' -2 : 0' 2 ' 6 . 0' 7 / + 0 - 6' 6 / 00 -' , *' 6 . 0' 0 + 067 ; 0' , *+ 32 : ' J 7 -' 3 , / ? 5') / 8 & 38 # / 5' / 2 % # " / 5' 1 9 " $ 3 5' ' ' & # / 5 ' " ' .0' : 2 - 6' / 0 : 7 / 97 ; 0' , -' 6 . 0' 72 ; 7 ; ' D) / 8 & # / ') # 7 # $ / $ / 5' 7' 6 / 00' 2 ' 6 / 21,57 ' / , 57 ' , * 6 / 234503' , * 62' - , 7' 7 * 3' : 0 / , 57J 6 . 0' 6 . , 59 * 0 - -' 2 ' , 6 -' 6 / 4 * 9' , -' 0 * 2 / : 24 -' - 2 : 06, : 0 -' 7667, *, * +' $ $' 006' , *' 5, / 54 : 0 / 0 * 50 ' 37 * - 2 *' 2 ; - 0 / ? 03' , *' 6 . 0' 710' 30' 0 / 3' - 7 * 3 -' 72 ; 7 ; -' 8 . , 5 . ' . 73' ; 00 *' : 07 - 4 / 03' ; =' 6 / 7 ? 0 0 / -' 6 . / 00' 50 * 64 / , 0 -' ; 0 2 / 0' 7 * 3' / 2 : ' 6 . 0' , 66 0' + / 28 6 . ' 6 . 0 =' . 73' : 730' 34 / , * +' 6 . 76' 10 / , 23' . 0' 57 54 7603' 6 . 76' 6 . 0, =' 7 + 0' : 4 - 6' ; 0' : 2 / 0' 6 . 7 *' □□□ ' =07 / -' _ 45 . ' 0 - 6, : 760 -' 7 / 0' 7 62 + 06 . 0 / ' 7 75,24 - J ' 6 . 0' 72 ; 7 ; ' , -' * 28' 80 ' 9 * 28 *' 62' ; 0' 7' ? 0 / =' 7 - 6 H + / 28, * +' 7 * 3' - . 2 / 6 , ? 03' 6 / 00 B " :

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G & "#/ " GMI' *;+798?' *=;*+9' +O' +79' +OC' 0 '+79' 40 @B;# *;=' *88*;:9=' ;' *'8 ;:' O8' / +70@+' O8=98' D $'"'9 / É G I' 98+ 9' ?+*B9;?' N# 899' O8' ;9*8 A' ?O# OCCO? +9' +O' +79' C9+* ?# / +70@+' ?+*B ;0=9?# O8' * +98;*+ ;:' / +7' ' ?+*B ;0=9?' OCCO? +9' +O' +79' ?9C* ?' D '"#87#/I " /8$%'"& 95+8O8?9# 0 ' ' C*8* 9 ' O8' = -98: ;:' 49 ?# -98A' 8*89 A' 40; @9;+' *+' +79' +OC' G '!#'$'"'& 5 ?0B9+ B9?' =97 ?4 ;:' *+' +79' +OC' >A' ' CO89?' O8' ?B* ' ? +?' D /&#3' . '$/!9 5 9#2% 3$#/ ' # ' 899# ?9?? 9' O8' ?@7?+ C +*+9# ' GO8' 8*89 A' H H ' 49 9=# ?0B9+ B9?' 0 ' 'G8*89 A' BO89' O8' 9/98I' 0;;*+9' O8'= ?+ ;4+'4*8C9 ?' D '"#87#/ ' &$-!'& *?' B*;A'*?' +79' 49 ?# = ?+ ;4+' O8' BO89' O8' 9??' 40;;*+9" 3)'& OO' G8*89 A' HI' ;' 9*47' 49 # 59=' +O' +79' ;;98' *;: 9# *?49;= ;:' O8' 708 <0;+* # *;*+8OCO@?' O8' ?9B ' *;*+8OCO@?# 8*C79' -9;+8* ' O8' *+98* # B 480CA 9' ; 98 O8# 8*89 A' O8+70+8OCO@?' D $'"29!#/' /!/87%/& ' - '=8A# O8' 8*89 A' 9?7A' D %'3,"3 8 5' 4*8C9 ?' ?0B9+ B9?' @; +9=' ;+O' *' 04@ 4 =*' O8' /00=A' ;=97 ?49;+' 4*C?@ 9# ?0B9+ B ?' = - = ;:' ;+O' 0 4 9?' O8 -* -9=' 4044 ' ' : 0>0?9' O8' 0-0 =# ?0B9+ B9?' 40BC89??9=' *;=' C80 0;:9=*>0-9 ;+O' *' B9B>8*;0@?' / ;:# ?708+ A' ?+8OC7 0 *+9# O8' BO89' 0 +9;' ;*F9=" $'&$/' 408 *490@?' O8' 48@?+* 90@?# ?0B9+ B9?' 40-989=' / +7' *' ?@44@ 9;+' 9C =98B ?' D $'"29!#/ " /!,9 '8' 9?7A# 0 +9;' +7 ;' O8' ' " - ! ' ?+8* :7+' O8' *8479=# ?0B9+ B9?' = - = ;:'+79' * >@B9;' ;+O' ' C*8+?' D $'"29!#/ " 23$-!')38& @?@* A' 0 *490@?# *+# O8' 0 =9=' *;=' 48@BC 9=# O8' 40;-0 @+9# 8*89 A' 9?7A' "/)#2!' ?708+# ; 98 O8# C0 ;+ ;:' +O' +79' 7 @B# O8' ;0+

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0 / 98?' : ' 9+* ?' *+# 0 +9 ;' B*849?49 ; +' ; +798?' H ' / +7' C*8* 9 ' 49 ?# ; ?98+9=' *+' ƒ ; 9*8' +79' +0C' 0 ' *' ?708+ A' @8490 *+9' 08' 8*89 A' 9 0 ; : *+9=' 40 @B ; " ?+* * ' ; 0=9?' ' 08' ' -*8A' ?9?? 9# / +7' ' 08' B089' B*; A 0-@ 9=' 49 ?' *C?@ 9' 04@ E 4 =* ' 08' ?9C+ 4 =* ' >@B9 ;' 9?7A# ?4* ; +A ' 0+A 9=0 ;?' 0 *49 @?# 0 +9 ;' =# 08' 0 =9=' * ; =' 40 ; +08+9=# 8*8 A' *+

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0 / 98?' 6 ' 9+* ?' *+# =94 =@0@?' ; +798?' ; @B980@?# B@ + ?98 *+9# ?+ C +*+9# ; ?98+9=' 0 ;' +79' 40 @B ;' 80B' +79' B == 9' +0 ' +79' +0C " ?+*B ; 0=9?' ' -*8A' 0 ' ' B* ; D 0-@ 9=' 49 ?' *C?@ 9' 04@ 4 =* ' >@B9 ;' 9?7A' B>8A0' ?+8* : 7+# *5 9

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' 0 / 98?' = 4 ; 0@?' 08' C0 A : *B0@?' * A5' 0 +9 ;' 40 0@89=' 080 *' ' ; +798?' ?0B9+ B9?' H # *= ; *+9' 0 ;' +79' +0C' 0 ' *' ?708+' 08' 9 0 ; : *+9=' 40 @B ;# ?0B9+ B9?' ?708+ A' C0 A*=9 C70@? 08' H ?98 *+9' ;' *' 8 ; : " C0 9 ;' ?B00+7' C9' 4*8C9 ?' 899# ?9?? 9# 08' ?708+ A' ?+ C +*+9 ' 99=?' * >@B ; 0@?' 08' 95* >@B ; 0@?

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.0' 7 . 2 ? 0 *7*,03' 6/, ; 0 - ' 4*,603' ,*62' 2*0' 7 : , =' ; =' KI*60*76 ' 7*3' 6 . 0 *' 3,?,303' ,*62' 682 ' . 7 ? 0' *1,,,' ;00*' 4*,603' ; =' 0*6 . 7,*' 7*3' 2290/' 6, ' .0=' 7/0' 5 2-0 =' 7 ,03' 2*' 6 . 0' 2*0' . 7*3' 62' + /!2/2 ' /5' 2*' 6 ,0' 26 . 0/' $34 #!#/2 ' /$J 6 . 0=' 7/0' 3,-6,*+4,- ,03' /2 : ' 6 . 0' ,/-6' ; =' 6 . 0,/' 682 50 03' 7*6 . 0/-' 7*3' 6 . 0,/' /0*0*, =' - : 226 .' 12 0*' 7*3' /2 : ' 6 . 0' -052*3' ; =' 6 . 0,/' 0G6/2/-0' 7*6 . 0/-' 7 60/*760' 8 ,6 .' 6 ,0' 0179-' 8 . 0*' 30 ,*,60' 2/' : 2*730 1 . 24-' 8 . 0*' ,*30 ,*,60 ' "/8/8)"' /5' 8 . ,5 .' 80' . 7 ? 0' 7**0G03' 62' 63!--/!22'' D -00' 1' T%bFF' 7*3' 8 . ,5 .' 711/275 .' 6 . 0' 6/, ; 0' 2 ' /)3 . '$/!' /' ,*' 6 . 0' 7N-6,?76,2*' 2 ' 6 . 0' 57 =G ' 6 . 0' 71,57 ' 30 . ,-50*50' 2 ' 6 . 0' 0G6/2/-0' 7*6 . 0/-' 6 . 0' 682' 2?4 03' 2?7/=' 50 - ' 6 . 0' 7*76/2124-' 2?4 0-' 6 . 0' ,0-. =' 7 ; 4 : 0*' 6 . 0' -6/7,+ . 6' *G, 0' 0 : ; /=2 ' 7/0' -017/7603' ; =' 6 . 0' /00' , 7 : 0*6-' 6 . 0' -, : 1 0' -6,+ : 7 ' 6 . 0' 10*34 24-' 2?4 0' 8 ,6 .' -410/,2/' : ,5/21= 0 ' 6 . 0' 0G-6,14 760' 07?0 L ' "5

$'"2#)#/2'3d' ; 0 2*+' 62' 6/21,57 ' 7*3' -4 ; 6/21,57 ' /0+,2*-' .0' 6/, ; 0' 2 ' /?#3 . '$/!' /' , * . 7 ; ,6-' 4-6/7 ,7' 7*3' 737+7-57/' 2 : 0' 9$$ "#'2 ' 7/0' 52 : : 2*' 62' 6 . 0' 6/21,5-' 2 ' ; 26 .' 52*6,*0*6 L' D!###$$##'"#/5' ##/J9 #$ 5 26 . 0/-' 7/0' 1054 ,7/' 62' : 0/,57' DA %'3,"3) 5 2/' -,7' D ,"3 / 5' 2/' 4-6/7 ,7' 7*3' 737+,4-57/' G $8!#8## 5 3 '"&38#/' ,-' 4-6/7 ,7*' 7*3' 6/21,57 ' : 0/,57*J' !!'" #' ' 1/,*5,17 =' 246 .' /,57*' J 3 ,'-82' ,* . 7 ; ,6' 6 . 0' . 26' /0+,2*-' 2 ' -,7' 7*3' /,57 ' "#9!/8/' ,-' 0G5 4-,?0 =' 7*' -,76,5' +0*4 -' *-' 7/0' : 2-6' !#'$'"'2"% 7 6 . 24+ . ' ! '!#2$'"'&' ,6-0 '; 0 2*+-' 62' ; 26 . ' 52*6,*0*6-C 8-'"#/' 62' 2/ 2 9' - 7*3 ' 7*3' + -)#/' 62' : 0/,57' .0' 6/, ; 0' 2 ' $'"29!#'2" ,-' 3,-10/-03' 2?0/' 6 . 0' 6/21,57 ' M2*0J $'"29!#/' ,-' 7 : 2-6' 8 . 2 =' -,76,5 ' 6 . 0/0' ; 0,*+' ; 46' 08' /,57*' 2/' : 0/,57*' -105,0-' .0' 9*28*' -105,0-' 2 ' 69!/' 7/0' 7 ' /2 :' /,57' ! '"#$#'"/' ,-' 6/21,57 ' -,76,5' 7*3' 4-6/7 ,7*

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.0' : 2-6' , : 12/67*6' -105,0-' 2 ' 9$$8'"#'2&' ,-' 6 . 0' %'3,"3 /' /2/35' 7*' : 0/,57*' 6/00 ' 54 6,?7603' ,*' -,7' 7*3' /,57' .0' -003-' 8 . ,5 .' 7/0' 0*?0 2103' ,*' 14 1 ' 52*67,*' 7' ,G03' 7*3' -2 ,3' 2, ' D2323/' %#$$'" 5' 7 /03' 52 24/,*+' : 7660/' 7' -4 ; -67*50' 7*7 2+24-' 62' 67**,*' 7' +4 : ' 7*3' 7' 5/=-67 ,M7 ; 0' 7M26,M03' 1/,*5,1 0' 57 03' $%'3,"3 #8' ' .0' 3/,03' 7*3' -1 ,6' 526= 032*-' 2 ' ,6-' -003-' 7/0' 57 03' 52527 *, ; -J' 7*3' 8 . 0*' +/24*3' 7*3' : 730' ,*62' 7' 17-60 ' 5 . 252 760 ' 8 . ,5 .' ,-' /0*30/03' : 2/0' 3,+0-6, ; 0' ; =' ; 0,*+' 7?24/03' 8 ,6 .' ?7*, 7' 2/' 5,**7 : 2*' .0' : 45, 7+,*24-' 7-6/,*+0*6' /4,6' 2 ' 9/J9 /' ,-' 4-03' ,*' : 0/,57' 2/' -9,*' 3,-07-0-' 6-' -4+7/=' 7*3' 0767 ; 0' 14 1' ,-' 0/ : 0*603' 7*3' 4/*,-.0-' 7' 9,*3' 2 ' ; 00/' 7*=' -105,0-' 2 ' /$$8'"#/5' /$$%'"#/' 7*3' $'"3&.'#> 9 '7/0' 4Un3' ,*' : 0/,57' 7*3' -,7' 7-' 0 : 2 ,0*6-' .0' ; ,660/' 7*3' 506,3' /226' 2 ' !'!#2$'"'&' /2/"3$%/' ,-' 7' /014603' -62 : 75 . ,5' ,*' /7M, ' 7*3' ,6-' ; 7/, /j,-j /0>40*6 ?' 4-03' ,*' -=1 . , ,6C4 7 02' 6,2*-

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! ' ' " B *6.0/-' ,*07/' 50 -' 30.,-5,*+' 76' 6.0' 621' 067 -' ,*-0/603' 7/24*3' 6.0' ;7-0' 2 ' 7' + 7*34 7/' 62/4-' 8,6.' -67 : 0*-' 76',6-' 621' "#&9'!#/5 %"3"/M8#&5 #$% #> J'$#/5 =3 5 " :

#!#/2'2 ' 7*3' !$&32/".'2'5 8.,5.' 2/:0/=' 2/:03' 682' 7:,,0-' .7?0' ;00*' 4*,603' ;=' *3,5.0/' 7*3 0*6.7:' 7*3' 2290/' ,;J 6.0' 7660/' .7?0' 2,*03' "32%#/'62' 6.0:' 8.,5.' 87-' 2/:0/=' 1 7503' #8' #?#8'225 ;46' /2:' 8.,5.' 6.0=' 3, 0/',*' 6.0,/' 7G, 0' 1 750*676,2*' #!#/2'2'' 7/0' 52**05603' 8,6.' 6.0' 6/,;0' 9$$8''"#' ' 2 ' $'"29 /2'2'' ;=' 6.0,/' ?7 ?760' 57 =G' 6.0,/' 1067 -' 8.,5.' 7/0' .=12+=*24-' 2/' $' *4:0/24-' -67 : 0*-' 0-.=' 7 ;4 : 0*' 8223=' -60 : ' 7 60/*760' -6,14 760' 07?0-' 7*3' -60 760' 14;0-50*50' J ;0-,30-' 8.,5.',*' !2'32/". ' /' 6.0' ,*341 ,5760' ;7-0' 2 ' 075.' 1067 ' 0 : ;/750-' 7' +/241' 2 ' -67 : 0*-' 7-',*' 9$$8''"#' 2'5 6.24+.' ,*' !2$32/". 2/' 6.0/0' ,-' 4/6.0/' 2*0' ,-2 7603' -67 : 0*' 0 6' 2112-,60' 075.' -017 ' .0=' 7/0' -, : , 7/ =' /0 7603' 62' + /!(/2'2'' 5 8.,5.' 7-2 3, 0/',*' 6.0,/' 2*0 50 03' 7*6.0/-' .0=' 7 -2' 711/275.' / '!!#/42'2&',*' 12 =1067 ,-*,' .=12+=*=' 12 =7*3/=' 6.0' 52**760' ,7:0*6-' 71,57' 30.,-50*50' 2 ' 6.0' 7*6.0/-' D2;-0/?7;0' ,*C6.0' +0*0/7' /9"/9 /' 7*3' '8$/> .%-!/ (5'6.0' -0?0/7 50 03' 2?7/=' "5' J ;46' 6.0' ?7 ?760' 70-6,?76,2*' 2 ' 6.0' 57 =G' -017/760-' 6.0:' 0*7 =' 6.0=' .7?0' :2/0' 6.7*' 2*0' 12,*6' 2 ' 7*7 2+=' 8,6.' %!/8/2'2' J ;46' 6.0-0' 7/0' 3,-6,*+4,-.03' ;=' 6.0,/',:;/,576+' 57 =G' 7*3' 0-105,7 =';=' 6.0' */502 760' ,7:0*6-

2-6 #/2'22' 7/0' 6/21,57' Jc) 68',*.7;,6' 6.0' 60:10/760' *2/6.0/*' .0:,-1.0/0' 7*3' -2:0' 7/0' 24*3' ;0=2*3' 6.0' 6/21,5' 2 ' 71/,52/*' "3<8!3<#/' 7*3' 6.0' 7 ,03' +0*0/7' 7/0' 6/21,57' -,76,5' 7*3' /,57*J DG:0*' 7*3' 3"2%3"9& 7/0' *76,?0-' 2 ' 6.0' .26' 17/6-' 2 ' 6.0' 3' O 2/ 3J ./" /88#/5 2 '6/21,57' 7*3' 246.' /,57J 9%'/5 2 '6/21,57' 7*3' -4;6/21,57' :0/,57J #!#/5 2 ' 4/210' 60:10/760' -,7' 7*3' 2/6.' :0/,57J "32%#/5 /&&'!$#/5 6/ '/5 3/8'/5 2 '6/21,57' :0/,57J "#&3)#/5 2 ' .,,' 7*3' 08' h07 7*3J !223> 2/".9&5 2 '6/21,57' -,7' 7*3' 4-6/7 7-,7J 8$%3!3 /' 7*3' 9%39J'$#/5 2 ' 08' 7 032*,7' "5 ' .0' 4-0 4' -105,0-' 2 ' #!#/2'/' 7/0' /76.0/' *4:0/24-' .0',**0/' ;7/9' 2 ' #!#/'./"(#:3!#/' 7*3' 7"/82!#:3!#/' D6.0' 4/2107*' ,:0-' 52*67,*-' 7*' 7-6/,*+0*6' :45,7+0' 8.,5.',-' 4-03',*' 0/:7*=' 7-' 7' ?4*0/7/=' 7*3' ,6-' 60*75,24-' ,;/0-' 7/0' 4-03' 2/' :79,*+' 52,@3' J 6.0 4+7/=' -71' 2 ' 6.0,/' 6/4*9,-' 0/:0*67;0' 7*3' =,0 3-' 7*' 7+/007;0' ?,*24-',>42/J 6.0,/' 8223',-' 07-,=' 82/903' 7*3' 7 2/3-' 0G50 0*6' 5.7/527 J' 6.0' 280/-' 2 ' 7 ;7-7:,5' 2324/' 7/0' :45.' 4-03',*',* 4-,2*-' 7*3' 7/0' 7*6,-17-:23,5' 7*3 % 06P16,2/06,0' 7*3' ;052:0' 7-6/,*+0*6' 8.0*' 4-03' 8,6.' 6.0' 7/+0' ;/756' 8.,5.' 7552:17*,0-' 6.0:' "#9 ':'$$/' 7*7' ./" /88#/' /:"#2/8/' 7/0 :45,7+,*24-' 1 7*6-' 7*3' 4-03' 7-' 0:2 ,0*6-' ./24+.246' 6.0' 6/21,5-' 6.0' =24*+' /4,6-' 7*3' 07?0-' 2 ' 3"2%3"9& 3!#$3"#9&5 8.0*' 522903' 7*3' -07-2*03' 7/0' 4-03' 7-' 126.0/;-' J ,6-' -003-' 7/0' 14/+76,?0' ' $"#)'8&5 / $/8-9!9&5 7*3')'."'&&9& 7/0' 7-2' 0767;0' 7*3' 6.0' /7;-' 0:1 2=' 6.0,/' 60*75,2 #52/6,57' ,;/0-' 2/' :79,*+' 52/3-' 2/' 527/-0' :76-' _!460' 6.0' ,;/0' 2 ' ' 2/.&9!/"#&5 .7-' 2 ' 760' ;052:0' 6.0' /,?7' 2 ' .0:1',*' 6.0' *+,-.' :7/906J :7*=' 6.24-7*3-' 2 ' 62*-' ;0,*+' 7**47 =' ,:12/603' /2:' *3,7 B 4:' "' /' 3"#'8$/!#&' 7*3' #2"323& 7/0' ?7 47;0' 2/' 6.0,/' 7/2:76,5' ;,660/' ;7/9' 7*3' 7-6/,*+0*6' 07?0-J 6.0' 8223' 2 ' '!/&$#2/',-' :45.' ?7 403' 2*' 75524*6' 2 ' ,6-' 0G,;,,6=' 8.,5.',6-',6 ,/j 28 :79,*+' _.0' /4,6-' 2 ' #2"323&' 7*3' /&#/##2/' 7/0' +/760 4 ' 7*3' 0G60*-,?0 =' 4-03' 2/' -.0/;06',* 2/6. 80-60/*' *3,7' 7/,24-' 26.0/' -105,0-

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=,0 3 52/37+0 7*3 /2 : 3 . . 3) $#:3!#/ 7 1710/ ,- : 730 B " : .0 ; ,660/ 7*3 /0-,*24- ;7/9 2 32 + (.##& ,- /0*28*03 7- 7 62*,5 .0,/ 75,34 24- -4+7/= /4,6 ,- 0767 ; 0 7*3 7 -62 : 75 . ,5 .0 90/*0 - 2 -0?0/7 -105,0- 8 . ,5 . 7/0 0 0+7*6 = : 7/903 7/0 *,730 Z ; =Z6 . 0Z *3,7*- ,*62 *059 750- 7*3 ; /750 06- B #8 / 9 5 2 08 h07 7*3 =,0 3- 7* 0G50 0*6 3=0 B " : S T S 5 (J

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- -2 : 06, : 0- . 0/ ; 75024- 7**47 2/ 10/0**,7 J -2 : 06, : 0- -4 ; ?223= 2/ 8223= 7 60/*760 2/ 2112-,60 /7/0 = 8 ; 2/ 03 -, : 1 0 -0--, 0 0*6,/0 (*0/?03 -2 : 06, : 0- ; ,+ 7*34 7/ 76 6 . 0 ; 7-0 0G-6,14 760 G #89 5 /)#3!/ 2/ 8,6 . T : ,*460 760/7 -6,14 0- 5734524- G '#8</")$#/ 2/ ,*6/7 7G, 7/= D 8#&/) '8#35 0 8 + /0+4 7/ 4-47 =60/ : ,*7 ,*/750 : 0- 17*,5 0- 52/= : ; - ; 073- 7-5,5 0- 2/ -1,90- . 10/-,-60*6 , : ; /,5760 ,* -0-6,?76,2* 2 E 0*6,/0 -017 - 2/ /7/0 = % 17/6,60 8,6 . (,3 2 ; 0- G /)#3!/ 2 B5 7803 4-47 = E /7/0 = % G /)#3!/ 5 5 78 *7903 2/ 4/*,-.03 8,6 . 7 -2/6 2 5/0-6 D 8#&/) '8#/5 '#8</")$#/ 5 ,*-0/603 2* 6.0 62/4- 52*62/603 ,* 70-6,?76,2* 5734524- 0>47 7*3 7 60/*760 8,6 . 6 . 0 1067 - -2 : 06, : 0- 7552 : 17*,03 ; = 7- : 7* = 6226 . 03 -67 : ,*230- 2112-,60 62 6 . 0 1067 -J :#!/ '8$& 7660*03 -4 . 4 760 4-47 = 52**760 ,*62 7 - . 2/6 541 4/*,-.03 2* 6 . 0 246

? =9 / +7 ++ 9 : *;=?# ?0B9+ B9? G /)#3!/ /8$%'"& ;+8B.?9 40 9=# ;9*8 08 0> 0;:# >*? 08 =08? 59=#=97 ?49;49 0;: +@= ;* % @?@* A 6 49 9=# 8*89 A 49 9= B /)#3!/ 08 M 49 9= B 8#&/) #/5)8</")$#8 5 49 ? ?@>= - =9= >A * B089 08 9?? C98 94+ =08?* ?9C+@B &$-!'& #8*89 A M# 08B# 899 &$#-"8/& ? BC 9# ;9*8 08 ?@> 4*C +*+9 3(9!'& \# C9;=@ 0@?# *;*+80 I0@? : 0>0?9# 9;-9 0C9= >A +79 C98? ?+9;+ 4* A5 *;= *;=8094 @B# + CC9= >A +79 ?+A 0 >*?9# ?9C+ 4 =* A =97 ?4 ;: ;+0 *? B*;A 4044 *? 49 ?# 08 ;+0 + / 49 *? B*;A >A +79 ? = ++ :0 9*47 +780@:7 +79 =08?* ?9 M+@; D 9;=@ 0@?# 40B C89??9= $'&$/ 408 *490@?# ?7 ; ;: / 79;=8A# *;= =9-9 0C ; : ; / *+98 *;* >@;=*;+ B@4 *:9 8!%9 '8 40C 0@?# ?4*;+A# 08 " - ! ?+8* :7+ 23$-!')38& & "/)#2!' 40;+ :@0@? *;= C*8* 9 +0 +79 7 @B# ?@C98 08

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B #8'2'5 ;4 @= ;: "-$%"3?-!'2'5 *89 +7@?= - =9= ;+79 2 89;98* *;+*8@B .)1

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! 66 / G 5 2067 - 52*62/603 4+75,24- 67 :0*- 7 7*6.0/, 0/24- 68,50 2/ 6./,50 6.0 *4 :;0/ 2 1067 - /410 ,*30.,-50*6

! 666 " . " 5 2067 - 76 0*+6. 305,3424- ,: ;/,5760 /7/0 = 52*62/603 8,6. 7 ?, 24- ,*0 2/ /,3+0 2*6.0 ,**0/ 750 67 :0*- 7 7*6.0/, 0/24- 68,50 7- :7*= 7- 1067 - /410 ,*30.,-50*6 "-$%"3?-!385 "5

! 6; & 5 2067 - 10/-,-60*6 52*62/603 67 :0*- 68,50 2/ :2/0 6.7* 68,50 7- :7*= 7-6.0 1067 - 71-4 0 -016,5,37 U4 1 %U

[#8''7/0 5 2-0 = /0 7603 62 "-$!#"3?-!')5 7*3 :2/0 2/ 0- 62 '"/8#/2'2& 7*3 ?/!#)'2 D-00 6.2-0 7:,,0-F .0= 711/275.' 6.0 7660/ ,* 12 =1067 ,-: .=12+=*,-: 52*62/603 52/2 7 5 7803 5734524- 1067 - 7 -0 3,1 2-60: *= G ('""%3) 5 ,7:0*6- 52**760 76 6.0 ;7-0 E 50 03 2??/= 8,6. 10*34 24- 7*76/212 - 2?4 0- /00 -6= 0- 571,6760 -6,+ :7- 7*3 571-4 7/ /4,6J ;46 ?/!#)''& 7/0 -017, 7603 ;= 6.0,/ 52:124*3 07?0- 521,24- 7 ;4:0* 7*3 4-47 = 7/, 760 -003

.0 -105,0- 2 #8$38 7/0 24*3 ,* 7 60:10/760 /0+,2*-J /)#3!/ ,- 4/2107* 7*3 -,76,5J '#8> </")$#/5 6/21,57 -,76,5J 8#&/)'8#/5 60:10/760 ,:7 7=7* .0 52:: 2* 7G D #89 #$/$#&&# 9 ,- 2*0 2 '6.0 :2-6 4-0 4 2 ?0+067; 0-J 6.0 60*75,6= 2 ,6- 52/6,57 ,;/0- 1 750- ,6 76 6.0 .073 2 60G6, 0 1 7*6- 6 ,- ,*3,+0*24- ,* 6.0 246.' 2 4/210 7*3 ,* 6.0 7-6 7*3 ,6- 54 6,?76,2* 8.,5. .7- ;00* 57//,03 2* /2:6.0 2 30-6 6,:0- 0G60*3- 62 E%m 76 .0 60-67 52*67,*- 7* 7;4*37*6 :45, 7+0 7*3 6.0 0:;/=2 7 ,G03 0:2 ,0*6 2, 8.,5.',- ?0/= 3/=,*+ D7*3 .0*50 0 G60*-,?0 = 4-03 ;= 17,*60/-F #89 2/$%/" 29 5 7* 7;4*37*6 ,*3,+0*24- -105,0- 2 7 - ,+.6 = .,660/ 7*3 -7 6 67-60 87- 2/:0/ = 4-03 7- 7 14/+76,?0 &'!/7#83#)'&,- 52*-,30/03 ;= 6.0 0/4?,7*- 7- 7 ;,660/ 710/,0*6) /M9#!#89 5 7 .0/;2 .,, - 6.0/0 22903 412* 7- /0 /0-.,*+ 7*3 7*6,0;/,0 7*= -105,0- 8C,6./03 =0 28 ; 40 7*3 8.,60 280/- 7/0 2/*7:0*67 +7/30* 1 7*6-

) , ! ! 0, *##8$%

< - & - 08 Y>8*;479? !?@* A *++9;9= 08 40B C89??9= *+ +79 + C / 79;A0@;: M * +98;*+9 08 8*89 A 0CC0? +9# ? BC 9# 9;+ 89# :9;98* A : *>80@?# C9;;;98-9=# 0 =9= 9;:+7 / ?9 ;= >@=# *;= C89?98- ;: + / 0 BC89?? 0;? C*8* 9 +0 +79 B =8 > &##. 9!'& ;+8* *5 *8A# 40;4*-9# ?4*8 0@?# ?4* A# >8*4+9 0B

6 9 " ' 6 9 " 6 9 " '
0/98 GB*: I 0/984@ -98+4* AGB*: I %8 9=' 8@ +GB*: I

2*' 6.0' 71.= 24-' 1034*5 0-' * ' N ' /0+4 7/ ' -2 ,67/=' 2/' +0 : ,*760 ' 2/' 7-5,H
5 03' ,*' 6.0' 7G,-' 2 '6.0' 07?0-' 2/' -6,14 0-J .')982!'&' E 7*+ 03 ' +/7347 =' 6.,590*03' 76'
6.0'621 ' "$' 10/-,-60*6 ' E 17/6,60 ' 2/' /7/0 =' E ,3 ' , : ; /,5760 ' : ' E ' .=12+= '
*24-' 0>47 ' 7110*3,54 760' 7;2?0' 6.0,/' ;7-0' 8,6.,*' ;=' 7' 324; 0' ,+4 0 ' 7 : 0 7 ' 2/'
/,; ' -0-6,?76,2*' 4-47 =', : ; /,5760 /7/0 =' 52*62/603 ' - ' $ ' ,*-0/603' 2*' 6.0'
/0501675 0J 7660*03' 76' 6.0' ;7-0 ' 7*3' 52**760' ,*62' 7' -.2/'64;0 ' , , 2/ :
7*3' /00' 7;2?0' J /8$%'"&' ,*6/2/-0 ' T 50 03 ' 2?2,3 -4;+ 2;2-0 ' 32/-, ,G03 ' : 2;, 0

Q 3 3 %

30.,-50*50 2*+,643,*7 % 1 /00 T (50 03J &$#@!2& (3,76,*56 2/ 02 : ,,,65J &$#7 /& (571,6760J 3(9!'' -2 ,67/=,*'6.0 50 -10*34 24-/2 :6,0 621 2 6.0 ,**0/ 7*+ 0 7*76/2124-2 60*' 87*6,*+,*' 2/ T 50 -2?2,3 7*+4 7/ 50 03 7*3 -00303 ;= -411/0--,2* ,*?0/603 60-67 52/,75024- " - 1 -6/7,+.6 ,* 6.0 7G,-2 7 57/6, 7+,*24- -57*6=7 ;4 : 0*J 23$-!')38& 0 ,,g6,5 2/ ,*07/ 76 2,7 5024-J "/)#2!'' -.2/6 5= ,*3/,5 -410/,2/

/ 6./2G= 2*

"-$%"3?-!'/# 7/0 5 2-0 =/0 7603 $3 #$#'/5 3, 0/,*+2* =,*' 6.0,/ 7.?7 7 *1S, ,,3,54 760 7 :, ,1 2-65 A: 2*24- 1067 - 6.0,/ 3/4175024- /4,6 7*3 8223=-60 : .0=7/0 *07/ + /$.#-%## + 4:'' ,* ,=12+=*,- : 3,1 2-60 : 2*=52**760 , 7 : 0*6- 2?7/= 50 - 8,6. 2*0 10*34 24-2?4 0 3,-6,*56 -6= 0 - 8223=-60 : 7*3 -6,14 760 07?0-CJ ;46,*' + /!.#7!##/2' ' : 7*=2 6.0 -67 : 0*-7/0 2 60*' -411/0 -753 7*3 6.0 1067 - .7?0 2*+ 5 78-7*3 *2 7110*37+0-7*3 6.0 -6,14 0-7/0 76 6.0 ;7-0 2 6.0 106,2 0 ,0 -7 : 0 * ,*,6= 0K, 8, /.#8)/2'2&5 ,*' 8 .,5.'7 -2 6.0 5 78 U 6.0 1067 - ,-+7*34 7/ 2/ ?0 ?06= 7*3 8 ,,5. -57/50 = 3, 0/ -7?0 ,*'6.0,/ 571-4 7/ 2/ -7 : 7/2,3 /4,6 7*3 6.0,/ 0G7 ;4 : ,*24- -003 "-$!$"3?-!('2 7 -2 711/275. D ("984 . ,*' 6.0,/ 10/-,-60*6 57 =G .=12+=*,- : 7*3 3,1 2-60 : 2*24- 1067 - : 2/0 2/ 0-- 3,-6,*56 -6= 0- 7*3 -6,14 760 07?0-J ;46,*' '"/8#/''2'6.0 57/10 - 7/0 *07/ = /00 6.0 /4,6 ,- 571-4 7/ 6.0 0 : ;/=2 ,- 54/?03 7*3 0G7 ;4 : ,*24-

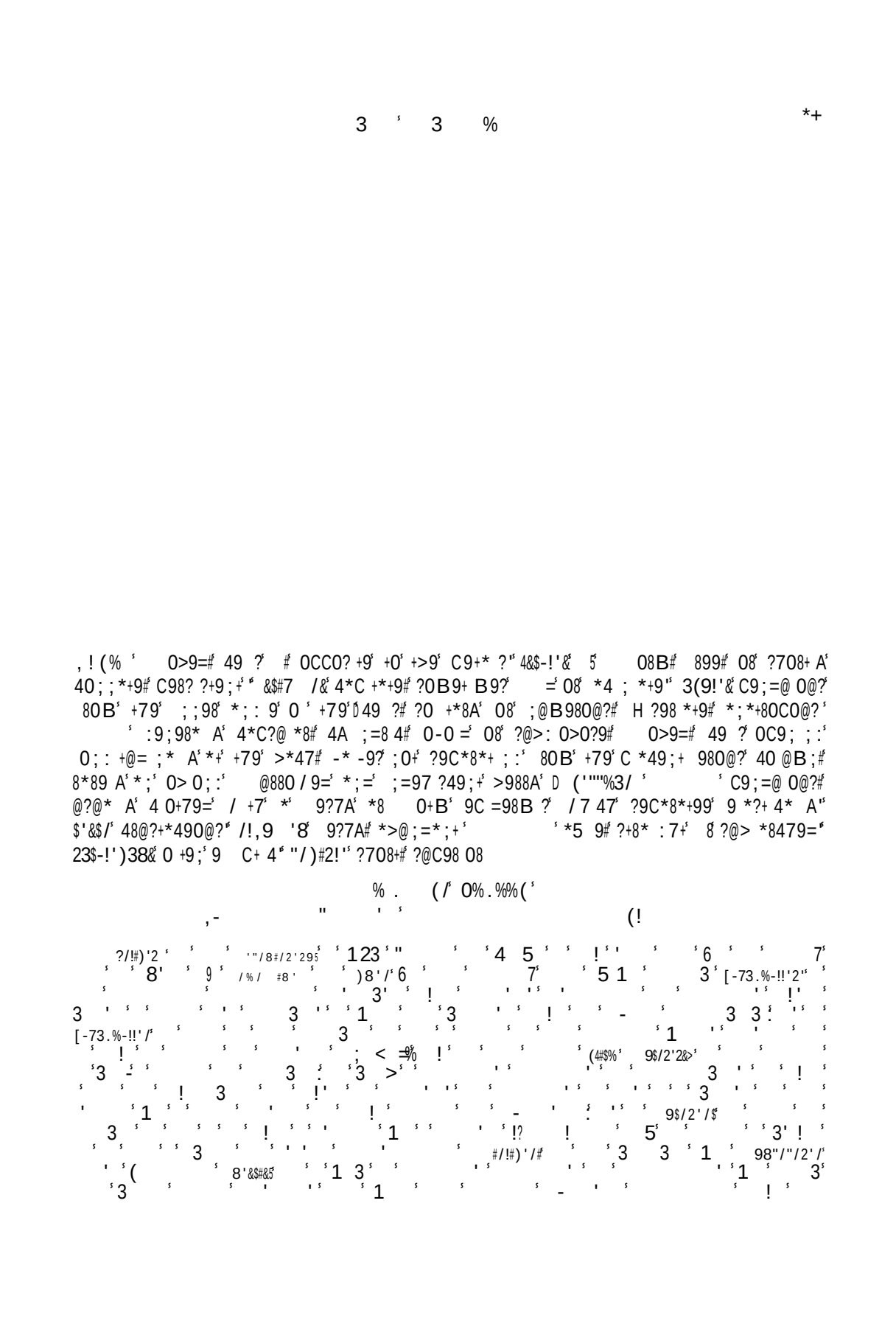
"-$ #"3?-!'2' ,*.7;,6 6.0 ,*60/6/21,57 /0+,2*-2 6.0 3 7*3 08 O2/ 3- .0 8223 2 -0?0/7 -105,0- 52*67,*- 7 /03 3=0 .0 =24*+-.226- 2 "-$%"3?-!38 /"'3!/:8 7/0 /0 /0-.,*+J ,6- ;7/9 ,- 62*,5 7*3 6.0 4,50 2 ,6- 07?0- ,- 4-03 0G60/*7 = 7+7,*-6 .0/106,5 7 056,2*- ,0 07?0- 2 32/ 52*67,*' 7 ?0/= ?2 76, 0 -6, : 4 76,*+ 1/,*5,1 0 1/2345,*+ ,*' 6.2-0 8.2 5.08 6.0 : 7*' 0G5,60 : 0*6 2 6.0 */?24- -=-60 : 07+0/ = -24+.6 ;= 6.0 0/4?,7*-7*3 8.,5. 6.0= 57**26 32 8,6.246 8.0*' 6,0= .7?0 75>4,/03 6.0 .7;,6

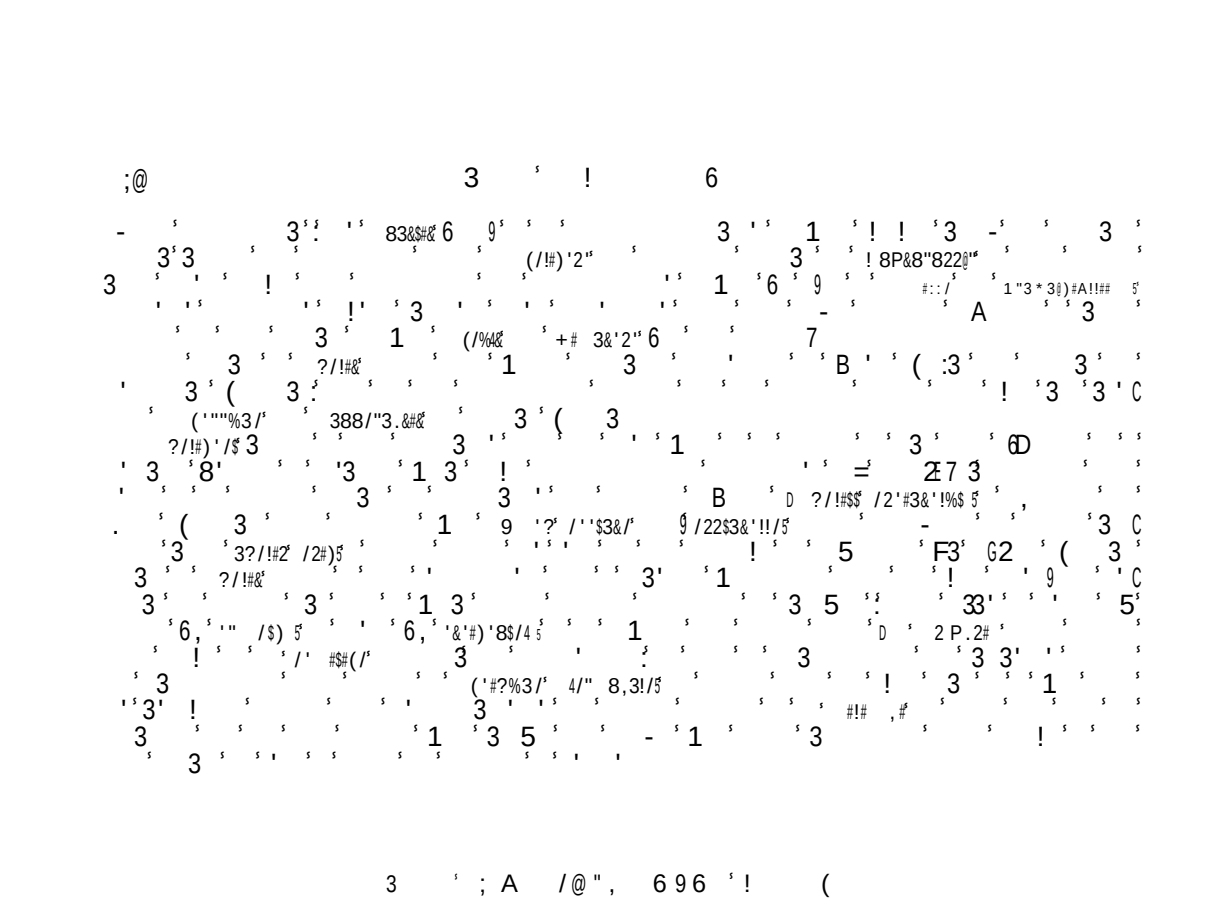
) 1 A

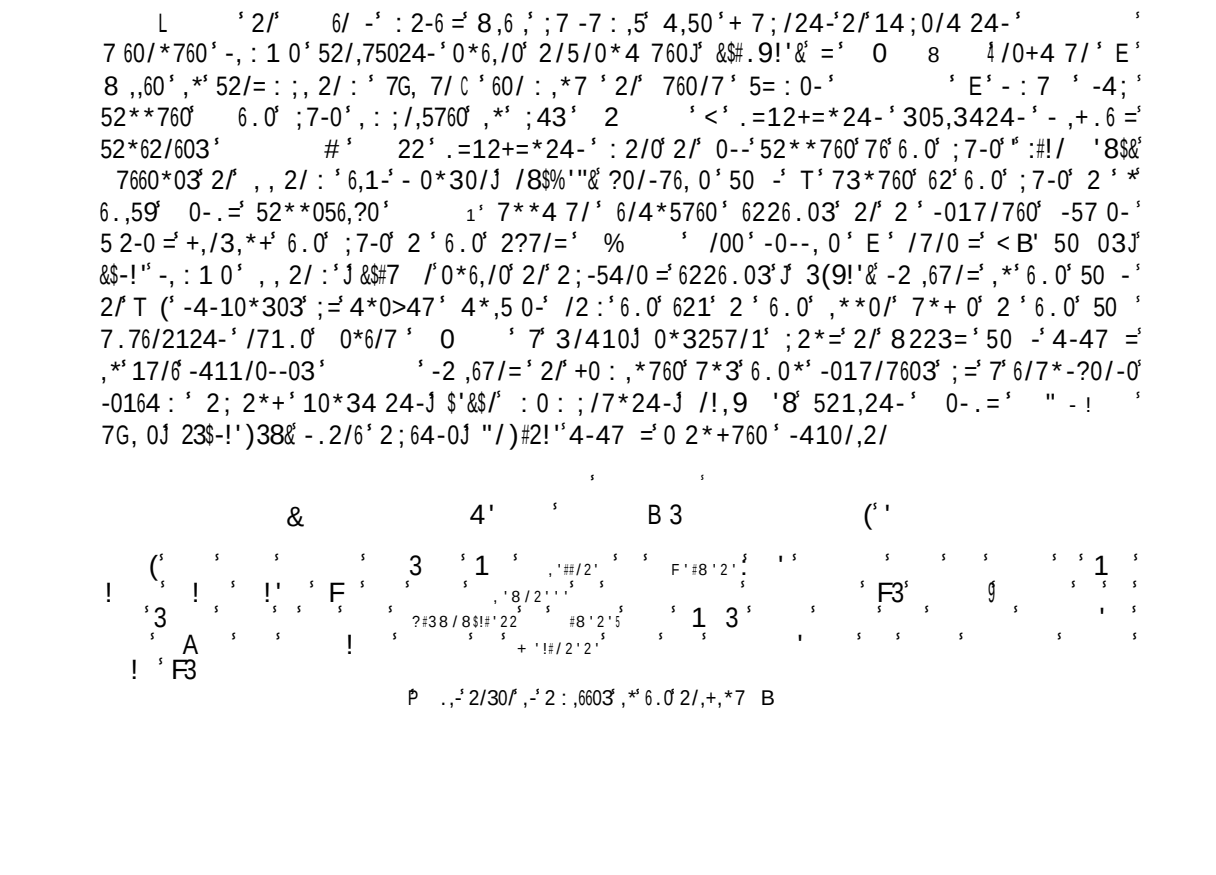
G 5 % 6# %GO 1 5 6# #8)!

. > '"39&5 # %"#2/$' 2 O4 %-.37-839&5 238$3"$') -)39%!'$ $%" 89 ,'" 3:$%" .'$/!& % >22!!') % N>&'"#/$'5 .'8)#)39&5 /8/$"3.39& :"'' " /2/.&9!'5 3" "/"'!- /, '""- <#$% /,98)/8$ /!,9 '8 " - ! /f#!' 5 /!$'"8/$'

0/.7502.- 7**47 2/ 10/0**,7 1 7*6- -60 : 0-- 2/ 574 0-50*6 /226-6259 5/001,*+ ;4 ;24-2/64;0/24- 7/0 =-4. /460-50*6 D 388/"3.&#& 5 ?0/= /7/0 = 7/;2H /0-50*6 D ('""%3/ 7 60/*760 106,2 760 3,+,6760 /7/0 = 1,**760 -2 : 06, : 0- 71107/,*+ -, : 1 0 ;= -411/0--,2 2 6.0 760/7 07 06- J !'/:!'$& -1,/7 = 52, 03 8.0* =24*+ -0--, 0 2/ /7/0 = 106,2 4 760 0*6,/0 2 60*' 2;52/3760 4-47 = 5 2-,*+ 76 *,+.6J &$#.9!'& = 0 8 + /0+4 7/ -2 : 06, : 0- 3, : 2/1.24- -2 : 0 10/ 056 26.0/- : ,*460 71067 24-J .')982!'&7G, 7/= 2/ /73,57 280/03 2/ ;/7*5.03 ,*' 7*4 ;0 /750 : 0 17*,5 0 2/ 5= : 0 .E ,3 2/ 17/6,60 2/ 1.= 24- -0-6,?76,2* , : ;/,5760 2 E 0>47 ,*-0/603 2*6.0 /0501675 0 2*+0/ 6.7*' 6.0 -017 - 2;64-0 -.2/6 = 5 7803 /00 2/ -.2/6 = 52**760 76 6.0 ;7-0 52*62/603 ,*' -0-6,?76,2* 305,3424- - $,*-0/603 2*6.0 /0501675 0 52**760 76 6.0 ;7-0 6.0 E 2112-,60 6.0 1067 - -.2/60-6 0/6, 0 2/ 7*6.0/0-G ('""%3/ J : /"8'8$& , , 2/ : 2/ -4;4 760 7660*03J /8$%'"& ,*6/2/-0 T 50 03 2?2,3 2/ 0 ,16,5 32/-, ,G03 30.,-50*50 2*+,643,*7







M) ,/,' /, , S

.' 3> '"39&5 .'"&#&$'8$5 &'': '8&& 8&89!!-' %## %8#)8%#"' 21 ' D4 9&&/!%' 9879#29!/$'5 #&3&$' 3839&' 3'')# #!3&$' 3839&5 #8&'"$')' '#$%'"' 384$%'" "'2'.$/2!'' 3"' 38' / %-.37-839&' 3'' . '"#7-839&')#&%' - '#8&'"$')A'#$%' $%"' . '$/!&5'9&9/!!-' 39/)'!.! 9&5' <%'8'&'('"/!' /"'' /8$%'"!'&&' % '23 .3&')' 3:' [' 3"' H' 2/". '!&5' 2388/$'5' 3"')#&$#82$' /$ $%"' $3.5' 3:' ' 3'' H N>3(9!')' 2'!!&' % ' 8'/"!-' 3"$!#3$"3.39&' - ' /')8$.'5' 3"' 3:' (T' 2322#' " -! ' '?/!,9 #839&' -'#(33)-

' 2/' ! 4' /7/0 ' ! 4' 2 60*' 5 , : ; ,*+'J ;/7*5 4C ' 4-47 =' 14;0-H 50*6J' .7,/-' ,G03' ;=' 6.0' 50*6/0' 7*3' U6,*+,*+' 2/' -, 9=' 2 ' :067 ,5' 4-6/0' 52-0' 1/0--03' 7*3' *26' -6,*+,*+' ' +0*0/7 =' 21 F2-,60' 106,2 0' 2,*603' 62' 6.0' -60 : ' 0*6,/0' 76' D/7/0 =' 7 60/*760' 2/' 8.2/ 03' -0--, 0' -,*4760 6226.03' 2/' 2;03' :7/+,*-' /054/?03FJ' 106,2 0' 2/' 4*30/' -4/ 750' 2/' :7/+,*' 2' 6.0' 07 ' 2 60*' + 7*34 7/J' &$#.9!'& 4-47 =' +0 : ,*760' 76' 6.0' ;7-0' 2 ' 6.0' 106,2 0' ;0 28' D/7/0 =' 7;2?0F' 6.0' 2,*6' +0*0/7 =' /43, : 0*67/=' 2/' -411/0--03' /7/0 =' 7/+0' -2 : 06, : 0-' 6.0' T' ;0 2*+,*+' 62' 6.0' -7 : 0' 07' 52.0/0*6',*' '7*3'7G, 7/=' -2 : 06, : 0-' 6.0'%2 'T' 2=,12-,60' 07?0-' 2,*,*+',*' 17,/-' -2'7-' 62' 2/ :'T',*60/106,2 7/' -6,14 0-' 0 8 ' U '2/'12 =+7 : 24-' ;=' -4SF1/0--,2*' -2 : 06, : 0-' 3, : 2/1.24-' G &.#2/".//5' /89&#/ 5'7G, 7/=' 2/'60/ : ,*7 ' ,*' 7' 52/= : ; '4 : ;0 '/750 : 0'2/' 17*,5 0'J .')982!'' ;/7560760' 76',6-' ;7-0'J .')#2'!&' 2,*603'T ;/75602 760' ;0 28'6.0' 2,*6' .' E 17/6,60' -0+ : 0*6-', : ;/,5760' 2/' ?0/=' /7/0 =' ?7 ?760' 7 ' 2/' %' 2/' (' ;,+ 7*34 7/' Z 246-,30' 2 ' E',*-0/603' 2*' 6.0' /0501675 0' 2/' 2*' 7' .=12+=*24-' 3,-9' 2/' 2*' 7' 3,-9 ,*,*+' 6.0' ;7-0' 2 '6.0' 57 =G' +0*0,C7 =' 0>47 ' /,*+03' 2/' 6226.03' 5 78' - 0*30/' 7g-6,' ?76,2*' , : ;/,5760' 2 ' ,*52*-1,5424-' - ' 4-47 =' $' .=12+=*24-' 2/' -4;' 10/,+=*24-' 7 ' 0/6, 0' 2/' -2 : 0' 7*7*6.0/24-' 2/' 2*0' 2/' : 2/0' 2/' 7 ' 2 ' 6.2-0' 2 ,12-,60' 6.0 1067 -' 87*6,*+J: #! / ' 8 $& 2/' -4;4 760' 4-47 =' 52**760' 76' 6.0' ;7-0J /8$%'"& -.2/6',*6/2/-0' 50 -' -2 : 06, : 0-' 8,*+03' 52**056,?0' 2 60*' 6.,590*03' -2 : 06, : 0-' 1/2H 2*+03' 76' 6.0' 621' ,*62' 7' + 7*34 7/' 7110*37+0' % ' /00' 52 : 12-03' 2 ' &' D/7/0 =' I' 57/10 -' 52.0/0*6' 08' 3,-6,*56' 76' 6.0' 621' 2 ' ' 2?4 03' 50 -J' &$-!'&' # ,*-0/603' ;0680 0*' 6.0' 2;0-' 2 ' 6.0' 2?7/=' 3,-6,*56' 2/' 52**760' J &$#7 /' -, : 0' ,*52*-1,5424-' J (9!'' *07/ =' 2,#6.26/2124-' 10*34 24-' ;=' 7' -.2/6' 4*,2 0' 62' 6.0',**0/' 7*+ 0' 2 ' 6.0' 50 ' 2/' :,33 0' 2 ' 6.0' -0164 : ' 7-50*3,*+' 0/056' 2/' 54/?03' /71.0' ?0*6/7 ' : ,5/21= 0' -410/,2/' ,10' ' (' 2/' 080/' ' -00303' -2 : 06, : 0-' 52**760',*62' 7' 0-.=' 2/' 8223=' 3/410' -2 : 06, : 0-' 3,-6,*56' 7*3' -017/76,*+',*62' 4-47 =' 8,*+03' -7 : 7/7-' /7/0 =' T ?7 ?03' ' 2; ,>40 =' 10*34 24-' ;0 28' 6.0' 621' 2 ' 6.0' 50 ' 0G7 ;4 : ,*24-' J $'&$/' 324; 0' 4-47 =' : 0 : ;/7*24-' " -! ' -6/7,+.6'0 ,/?03' 2/'.22903' ?0/=' /7/0 =' 7**4 7/J 23$-K !')38& 76' 2/' 6.,59' 2 60*' 4*0>47 J "/)#2!'' -.2/6' 7;2?0' 6.0' ., 4 : ' -410/,2/

' '

P 71,+,,7' P 6,+ : 71. DF,, P 7*,-60/,7' ,167+0 ,/-07' -1,57/17

b 79' 0 0/ ;:' ?'+79' = ?CO?+0;' 0' +79' +8 >9?# U4 # 0' +7 ?' *8:9' *B A# C8OE CO?9=' >A' +79' *@+708?' 0' +79' 2 9;98*' *;+*8@B'.)1

! ' ' / - 1 +*B9;?' H # @?@* A' *' C98 94+' *;+798?' BO?+A' *CC9;=4@ *+9' ?+A 9?' @?@* A' M# 899' * C9?' 0;' *' *+' +08@?# ;9-98' / ;:9=# 899' 08' 40;;*+9' ;+0' *' 9?>A' 08' /00=A' =8@C9 1 !?@* A' 9894+# / +7' 0CCO?+9' 9*-9?' *@=' 40;;*+9' ?+C@ 9?' -"&38(/5' +/#5' .#7!##/5' #982!#3J#/55' %"7/!!#&5' /!.!##8#2"5' ./2%'/55' "5

' ' K $ 40% 8 67 : 0*-' $' 4-47 =' 7 ' 10/ 056J' 7*6.0/-' 7110*37+03' 6= 0-' *2/ : 7 =' (' /00' /4,6' 2 ' (' 32/-7 =' D*26' 760/7 =F 8,*+03' *46-' 2/' -7 : 7/7-' 2*' 7' 52*,57' 62/4-' D/7/0 =' 8,*+ 0-' 2/' 076.0/=F B -47 =' 5 , : ;0/-' 8,6.' 2 60*' 7 60/*760' 0G-6,14 760' 07?0-' '$'"3 $'"-&5' '"#)32/".9&5' "/2% .$'"#&5' $#7 /.%-!!385' -&&3.$'"#&5' /8#&$'"#/5' '#?3$3/5' "2

' ' < 5% B 67 : 0*-' 4-47 =' 7 ' 10/ 056' 6= 0-' *2/ : 7 =' (' /00' 7 : 7/7-' (' 2*' 7' 1=/7 : ,37' 62/4-' ' 8,*+03' 760/7' 8,*+-' ;/273 B -47 =' -57*30*6' 8,6.' 2 60*' 7 60/*760' 0G-6,14 760' 07?0-' "#&#'!!/$'#/5' #.$/7'5' &.#)..$'"-&5' "#3.$'"-&5' '$"/.$'"# &5' #"2'/55' "0

' ' ' _ _ J0% B 67 : 0*-' &'2/' 080/' -2 : 0' 2/' 7 ' 2 ' 6.2-0' 2112-,60' 6.0' 1067 -' 7*3' -2 : 06, : 0-' 26.0/-' 7*7*6.0/24-' 6= 0' ' 7/10 -' 8,*+03' 2/' *26' 4-47 =' 10*34 24-' /2 :' 7' /71.0 ,90' 6./073 B /056' 2/' 5 , : ;,*+J 07?0-' 2 60*' 7 60/*760' 280/-' 2 60*' 3, : 2/1.,5' 7 =G' & $ + 7*34 7/' /9)#3%/9)#/5' &.#2/".//5' / 2#"'/5' /89&#/5' 2!#9/88#/ UA4 P4Y

+/!.#7%#/2'2 ' 7/0' *07/' "-$%"3?-%2'' D8.,5.'-00F' 2'"#8'2'' 7*3' /.)/2'2' ' 6.0=' 7/0' -017/7603 /2 : ' 2'"#8'2'' ;=' 6.0,/' + 7*34 7/' 57 =G' 2*+' >,7803' 1067 -' : 2*730 1.24-' -67 : 0* N' 4-47 =' : 0/24-' /4,6' 2?4 03' 2?7/,7*' 50 -' 54/?03' 2?4 0-' 7*3' -410/,2/' /73,5 0' .0' 7 ,*,6=',-' -6, ' : 2/0' 5 2-0' 8,6.' /.#8>')/222 5 /2 :' 8.,5.' 6.0=' 2* =' 3, 0/' ,*' $%'' ,*52*-1,5424-' 3,-9' 7*3' -2 ,67/=' 7 ;*2/ : 7 = 2/ : 03' 2?4 0-' VB/!.#-%#/2'/$: 2-6 =',*.7 ;,6'6.0' 1 7,*-' 7*3' ?,/+,*' 2/0-6-' 2 '6.0' -246.0/*' 6/21,5' 2 ' : 0/,57J' 6.0=' 7/0' 0-' *4 : 0/24-' ;0=2*3' 6.,-' /0+,2*' 7/0/' -6, ',*' 0>4762/,7' -,7' 7*3' ?0/=' /7/0',*' /,57' 7*3' 4-6/7 ,7

7*=' + /!.#7%#/2'/# 280' 62' 6.0' 52 24/,*+' : 7660/' 7 3' 67**,*' 52*67,*03',*' 6.0,/' 7*8F' 7-6/,*+#0*6' 1/210/6,0-' 8.,5.' 7/0' 4-0 4',*' ?7/,24-' 3,-2/30/-' 7*3' 0-105,7 =',*' 3=-0*60/=' 7*3',*60/ : ,660*6' 0?0/-J L/& 6.0' 3, 0/0*6'-105,0-' 2 '6.0' * 2/,57*'+0*4-' -"& # /' .0' 75,34 24- -4+7/=' /4,6-' 2 ' + /!.#-%#/' 9"'' '7*3' 7!/,"/' 7/0' /052 : : 0*303' 7-' 60 /0-;,*+' 7*3' 7*6,-016,5

) ' + A5' 82 #2%'"

2 ' 4' %-.37-839&5' &A8/!!A':!'&%-' " ' H # %-.37-839&' ? 6C 2'!!&' /!$'"8/$'' <#$%' $%'' .'$/!&5' N>3(9!')' = ' /& &$#7 /$#:'"39&' $%"397%39$' $%'#'' !'87$%' 2 ' 3:' ' 2/".'!&' " -! ' &2/"2'!-' 3'' 483$' /!,9 #839& 1 +$8' <33)-' ' 3..3&#$'

! ;*8B9=' ! 4' >8*;479?' *;:@ *8# +79' 0 / 98'0CC0? +9' 08' +98;*+9 A' />08 9=#+79' @CC98' 0CC0? +9# 0 +9;' ?*8; 9;+0?9' >@=?' ?4* A' ' 0%C0? +9# 8*89 A' +98;*+0 A' / 08 9=# 0-*+9' 08' 408=*+9' 08' *;490 *+9# H ;98-9=# 9;+ 89# : *>80@?# 95?+ C@ *+9' 2 8 ' ' 08' C0 A:*B0@?# ;' +98B ;*' bO8' *5 *8AV' 8*49B9?J C9= 49 ?' 0CC0? +9' 08' +79' @CC98' * +98;*+9,' >8*4+9*+9' *+' +79' >*?9# *;=' 0 +9;' >8*4+90 *+9' = ' # 0-* ' +8 *;:@ *8# B>8 4*+9 ;' >@=# C98? ?+9;+# ?C89*= ;:# B*8: ;?' B9B>8*;0@?' 2 ' # 7AC0:A;0@?# ?708+98' +7*;' +79' ?9C* ?' *;=' * +98;*+9# +8 *;:@ *8# 9?7A# F99 9=' / +7 ;# *4489?49;+# C98? ?+9;+' ' 40; 4* # 9?7A# 0>9=' ' - ' H # 7AC0:AE ;0@?# 899# 08' +79' ;;98*=;*+9' +0' +79' F99 ' 0' +79' C9+* ?' ' :#!/ '8$& ?708+# 08B' ' /8$%'"& 2*8:9# ;+8O8?9# >*? 59=# =97 ?49;49' 0;: +@= ;* ' .3!!'8' -98A' ;9# ?@7: 0' '>0?9' ' 1H # 899# 0> 0;:# / 708 9=' 0;' +79' +08@?# 40; 4* # * +98;*+9' / +7' +79' C9+* ?# H 0-@ 9=' &$-!'&' *?' B*;A' *?' 4*8C9 ?# 899# +7 4F# 9 0;:*+9=# = ?+*;+# 9;+ 89 A' 40-989=' / +7' ?+ :B*+ 4' C*C ?9' 3(9!'& C9;=@ 0@?' 80B' +79' +0C' 0' +79' 49 ?# *;*+80' CO@?# 8*C79' =08?* ' 2 ' 0' ' ;=97 ?49;+' 4044 # 9B>8*49=' >A' +79' *4489?49;+' *;=' 9?7A' C9+* ?# 40BC89??9=# 0> 0;:' .'"#2/".' 48;?+*490;?# F99 9=' 0;' +79' >*4F' *;=' ? =9?

($T 3 " ' 6

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GB*: I

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% *: 8*B

*8C9 # 9 ; + 89 * ; =' 4@+' -98+ 4* A' GB*: I

99=# 9 ; + 89 * ; =' 4@+' -98+ 4* A' GB*: I

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' 52 : 1/0--03J $'&$/' : 0 : ; /7*24-' J /!,9 '8' 6 ; , *' 2/' $ ' " - ! ' -6/7,+ . 6 ' 2?2,3 ' 52 : 1/0--03' E' 23$-!')38& 1 7*2 52*?0GJ "/)#2!'' ?0/=' - . 2/6 ' 2 ; 64-0 ' -410/,2/

'

P 2/,7/,7

.0' 7 ,*,6,0-' 2 ' 3"#/"#/' 7/0' ?0/=' 2 ; -54/0 ' 6' . 7-' ; 00*' 1 7503' *07/' + /!. #7%#/2 ' ' D-00' 6 . ,-' 7 : , =F ' 6' -2 : 08 . 76'3,-67*6 =' /057 -' 9$/2 ' ' 7*3' [/8$%3?-!'"'', *', 6-' . =121067 ,- : ' 3,1 2-60 : 2*=' /00' 52, 10 -' "5 ' ; 46' ,-' -017/7603' /2 : ' 6 . 0 : ' ; =', 6-' 10*34 24-' 2?4 0' 8 ,6 . ' 32/-7 ' /71 . 0' 7*3' -410/,2* : ,2/21= 0 ' 2 : 17/03' 8 ,6 . ' /. #8)/' '2" 7*3' '"', #8$%/2'2&5 ,6' 3, 0/-' ,*' . 7 ; ,6 ' 6 . 0' , * * 0/' -67 : 0*-' 4-47 =' 73 . 0/0*6' 62' 6 . 0' 1067 -' 7*3' 6 . 0' -6= 0-' -6,+ : 76, 0/24-' 6 . /24+ . 246' 6 . 0, /' 0*+6 . ' 6' . 7-' -2 : 0' 7*7 2+,0-' 8 ,6 . ' %-$3!/2'2'5' 24*303' 2*' 6 . 0' 3,-6,*56' 7*3' ?1 . 2/ 03' 57,#10 -' 171, 2-0' -6= 0-' 7*3' /4,6' _ ; 46' 3, 0/-' ,*' 6 . 0' 1067 -' 10*34 24-' 2?4 0-' 0-. =' 7 ; 4 : 0*' D8 . 0*' 1/0-0*6F ' 7*3' -6/7,+ . 6' 6 . ,59' 0 : ; /=2S

3"#/"#/' 52 : 1/,-0-' 7' 08' -105,0-' 3,-10/-03' 2?0/' 6 . 0' 03,60//7*07*' /0+,2*' 017 ' 717*' 08' h07 7*3' 7*3' 80-60/*' 246 . ' : 0/,57 ' -"$#:3!#/' D =/6 0 07?03' 4 : 75 . F ' 8 . ,5 . ' +/28-' 0-105,7 =', *' 6 . 0' 0-6' 2 '6 . 0' 03,60//7*07*' /0+,2*' 7 ; 24*3-', *' 67**, *' 46, ,M03' ; =' 54//,0/-J ,6-' 07?0-' 7*3' /4,6-' 52*67, *' 7' *7/526,5 ' C 75/,3' 5/=-67 ,M7 . 0' 1/,*5,1 0' D23"#/"##8' ' 8 . ,5 . ' /0*30/-' 6 . 0 : ' 12,-2*24-' . 0-0' 07?0-' 7/0' 4-03' 62' 734 H 60/760' -0**7' 8 . ,5 . ' ,-' 6 . 4-' 2 60*' 7' 767 ' : 03,5,*0' . 0' /4,6' 2 ' ' &/" '8$3&/5' 7' 08' h07 7*3' -. /4 ; ' ,-' 4 ' 2 '7' ?, *24-' 4,50' 8 . ,5 . ' 6 . 0' *76,?0-' 7*3' 52 2*, -6-' 3/, *9' 8 ,6 . ', : 14*, 6=' 679, *+' 57/0' *26' 62' -87 28' 6 . 0' -003-' 8 . ,5 . ' 7/0' 0 : , *0*6 =' 12,-2*24-' . 0' -7 : 0' : 7=' ; 0' -7,3' 2 ' ' 8' . /!' 8&#&' ' "9&2#:3!#/5' 2 ' . ,*7 '

A 9 =?' *' > *4F' 40 0@8# @?9=' >A' ?709B *F98?

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X > 5 ""(' 4 > < 9 ("(' 99=#' 9 ; + 89' * ; =' 4@+' - 98+ 4* A' B * : I ,' < ("(8@ +#' 9 ; + 89' * ; =' 4@+' - 98+ 4* A

M 3 " ' c 6

" 98+ 4* ' ?94+ 0;' O ' 0 / 98' GB * : I

.' % B :0/2 -' 7'8'"/!!-' # ,"#2/$' ' 2 ' (--37-839&5 9&9/!!-' # ,"#2/$' ' - ' 9&9/!!-')39,!" $%" 89 ,'" 3:' $%" . '$/!&5 %-.37-839&' E :#!/ '8$& 9&9/!!-' <#$% /' &2/!" #8&#)' ' % R ' &'('"/!>2'!!') ' 2 ' /' !329!#2#)/!' 2/.&9!'5 &'.$#2#)/!!-')#(#)#87' #8$3' 2322#' " -& ' '?/!,9 #839&5 3" '82!3&')4 #8' /' 2/"$#!/7#839&' /!,?('8 O 2'8$!'&& .!/8$& ' ' 3..3&#$'5 .#88/$'5 &$#.9!/$'

! 4' ! ' 08' ' " >8*;479?' 0 +9;' = -*8 4*+9' *;=' D0 ;+9=' *+' +79' ;0=9?' ' 0CC0? +9# 08' * +98;*+9' 80B' +79' ?@CC89?? 0;' 0 ' 0;9# ?+ C@ *+9# 40BC0@;=# ?0B9+ B9?' C ;;*+9' 08' BC*8 C ;;*+9# ?0B9+ B9?' ' G8*89 A' H I' 0 0 *+9' D[-73.%-!!9 E .'$#3!" ?0B9+ B9?' *++9;9=' *;=' / ;:9=" !'/:!'$& ?9?? 9# 9;+ 89# ;0+' C@;4+*+9# 0 +9;' ;9R@ *+98* # *+# 08' 9?7A# 08' +989+9" &$#.9!'& :9B ;*+9' *+' +79' >*?9' 0 ' +79' C9+ 0 9?# C98? ?+9;+# ?0B9+ B9?' ?C ;9?49;+' " 8 ' \#' 89:@ *8' 08' 889:@ *8# / 7 +9# 89=' 08' A9 0/# 8*89 A' > @9" .')982!'& @?@* A' H # ?C8 ;: ;:' 80B' +79' *5 ' 0 ' +79' ?+ C@ 9?# H 0/989=# 9>8*4+9*+9 ' ' D(@4' @?@* A' C98? ?+9;+# /00 ' 8*89 A' 40;;*+9' *+' +79' >*?9# 9?+ -*+ 0;' B>8 4*+9' 08' -98A' 8*89 A' -* -*+9' G ''$J'8#/ ' 2 ' O(@4' -98A' 8*89 A' ' G ''$J'8#/ 5 7AC0:A;0@?# 899# *9?+ -*+ 0;' @?@* A' B>8 4*+9# ?0B9+ B9?' 40;+08+9=' B[-73.%-!!9 E)#&% 7AC0:A;0@?# 40;-95' 08' =9C89??9=# 8*89 A' *;;@ *8' B "#,$)9& 5' ?0B9+ B9?' ;40;?C 4@0@?' D /738#/5 9/#/29 5 U 4 I#' 08' ' B ''$J'8#/ ' - ' @?@* A' =0;> 9' +79' ;@B>98' 0 '+79' C9+* ?# 8*89 A' 9R@* ' B ''$J'8#/ 5 ;?98+9=' 0;' +79' /0H 49C+*4 9# ?98 *+9# +79' 0@+98' 0CC0? +9' +0' +79' ?9C* ?" :#!/ '8$& 08B# @?@* A' / +7' 7' ?B* ' ?4* 9' 0; +79' >*?9' / +7 ;# 2/' 0;' +79 8' 49;+89' " /8$%'"& ;+8082?9# =08? 59=' *>0-9' +79 8' >*?9# -98?*+ 9# =97 ?49;49' 0;: +@= ;* ' % ' 899# ?9?? 9# 08' 8*89 A' >08;9' 0;' 7' ?708+' :A;0C7089' B /"'"'/5 9/#/29 5 @880/9=# *;:@ *8# 08' / ;:9=# % E ' G8*89 A' H H I' 49 9=' B "#%9!9&5 97'/5 08' M 49 9=' B[-73.%-!!9 5 49 ? ?0B9+ B9?

3 " ' % 6 M

= - =9=' ;+0' ?9-98*'>A' +8*;?-98?9' ?9C+*' B "#%9!9&'" &$-!'' ? BC 9# +98B ;* # *;:@ *8'08' @880/9=# ?0B9+ B9?' ?708+' 08' ' G "#%9!9&" &$#7 /' ? BC 9" 3(9!'& # ?@C98 BC0?9=' ;' 9*47' 49 # 08' ?9-98*' ?98 *+9# C9;=@ 0@?' 08' *?49;= ;:# 8*C79'-9;+8* # *;=' B 480CA 9' ?@C98 08' (- '408 *490@?' 08' 48@?+*490@?# ?0B9+ B9?' ?9C+ 4 =* # *;=' = - = ;:' ;+0 H ' =97 ?49;+' 08' ;=97 ?49;+' 4044 # / 7 47' *89' 40;;*+9# 08' ?9C*8*> 9' 80B' +79' C *49;+*' 40 @B;" ?0B9+ B9?' *' 04@ 4 =*' 4*C?@ 9' ' @?@* A' ?0 +*8A' ;' 9*47' 49 # 8*89 A' ' 08'?9-98* # C9;=@ 0@?' " $'&$/' B9B>8*;0@?' 08' 48@?+*490@?# 08' +7 4F' *;=' B@4 *:;0@?" /!,9 '8' 4*8+ *:;0@?# 8*89 A' ' G "#%9!9C5 U4 I' " - ! ;' :899;# ?+8* :7+' 08' ? :7+ A' 4@8-9=" 23$-!')38&' 0 *490@?" "/)#2!'' ?708+# ?+8* :7+# ?@C98 08

' /

/,;4 47' P =+21;= 4: 7//07' 2/ ,0/7' 7+2*,7 47,754: ,6/7/,7

[-73.%-!!' ' 7/0' *07/' '"/8#/2' ' 7*3' ?/!#)' ' D-00' 6.0-0' 7:,,0-F' .0=' 7/0' 52**05603' 8,6.' +9$/2'/' ;=' 6.0,/' .=121067,-:' 3,1 2-60:2*=' 00?0/7 50 03' 2??/=' .=12+=*24-' 3,-9' 254,5,37' 2/' -016,5,37' 571-4 0' 7 ;4:,*24-' -003-' -6/7,+.6' 2/' 7/5.03' 0:;/=2' 7*3' -410/,2/' /73,5 0' J ;46' 9$/2'3d' 3, 0/' ,*' .7;,6' 7 60/*760' 7*3' + 7*34 7/ 32660 3' 0G-6,14 760' 07?0-' 0+ 7*34 7/' ,7:0*6-' 7*3';7-,7/' -6=0' .0' X +0*4-' ##"/"#/'5 324;6 4 =' 1 7503.0/0';= 0*6.7:'7*3' 2290/' , '50/67,* =' 711/275.0-' 6.0:',*',6-'-6,14 760' 07?0-' 2;2*+' 7*6.0/-' 7*3' 6.0' -6/4564/0' 2',6-' 2??, =J ;46',6',-' -017/7603' ;=',6-'.7;,6' -,:1 0' 07?0-' 7 ?760',*341 ,5760' 52/2 7' *7903' ,7:0*6-' 2*0 2?4 03' 50 -' 2' 6.0' 2??/=' 7*3' 3/4175024-' /4,6' [-73> -)#-!!'2" -57/50 =' 3, 0/' /2:' # /"9,'2 5' 0G5016',*' 6.0,/' 2??/=' 7660*47603',*62' 7' -,:1 0' 60/:,*7' 6=0' /$#):> ' 7 -2' 3,-1 7=' -2:0' 7*7 2+=' 8,6.' "#,9%&&

[?73.%-!!'2" 1/,*5,17 =',*.7;,6' 6.0' 0G6/7 6/21,57' 7*3' .26' /0+,2*-' 2' ;26.' .0:,-1.0/0-' 0-105,7 =' 7;24*3,*+' /2:'6.0'*2/6. 80-6'2' /,57'6./24+.' 6.0' 03,60//7*07*' /0+,2*'62' 6.0' *2/6.0/*',:,6'2' *3,7J 6.0=' 7/0' /7/0/',*' 246.' /,57' 4-6/7,7' 7*3' 246.' :0/,57' G5016' /738#/5 8.,5.',-' -1/073' 2?0/' 6.0' 03,60//7*07*' /0+,2*' 7*3' 0*6/7' -,7' 7*3' [-73.%-!$9 5 8.,5.' +,(28-' 6./24+.246' /,57' 7*3' -,7' 7*3' " 8)9&5 8.,5.',-' 3,-10/-03' 2?0/' 6/21,57' 7*3' -4; 6/21,57' 524*6/,0-' 075.'+0*4-' .7-' 7' -105,7' .7;,676' ''$J'8#/',*.7;,6-' 6/21,57' /,57' 7*3' 7-60*,' -,7J 6.0' 26.0/' +0*0/7' 7/0' 0G5 4-,?0 =' :0/,57*' #$"/"#/'+/28-',*' -7,*0'+/24*3',*' 6.0' 2/6.'2' /,57' O0-6' -,7' 7*3' 4-6/7,7

%'' :276' 4-0 4' 1 7*6' 2' 6.,-' 2/30/',-' #/29 ' 3::#2#8/!'5 7' O0-6' *3,7*' 6/00' 8,6.' ?0/=' .7/3' 7,*6=' 7/2:76,5' 8223' :45.'.07?,0/'6.7*' 8760/' 7*3' 8,6.' 7*' 75/,3' 7*3';,660/' 67-60' 7;,*06 :790/-4-0',6' 2/';7 -' 57-62/-' 14 0=-' 7*3' 26.0/' 2;056-' 0G12-03' 62' 80,+.6' 7*3' /,56,2*' .0' /7-1,*+-' 2' +47,754:' 2/:' 7' ?7 47;0' :03,5,*0' 756,*+' 1280/4 =' 2*' 6.0' 4*56,2*-' 2' 6.0' -9,*' 7*3' 6.0' -05/06,2*-' 2' 6.0' 9,3*0=-' 7*3' /052:0*303' 7-' 7' 3014/76,?0',*' -=1.,-' .0-0' 1/210/6,0-' 7/0' 340' 62' 7' /0-,*24-' -4;-67*50' D79/#/2#8' ' 52*67,*03',*' 6.0' 8223' 7*3' 8.,5.' 0G430-' /2:',6' 8.0*' 546J ,6',-' 7-2' 2;67,*03';=' -6001,*+' 6.0' +47,754:' ,*' 7 52.2' 7*3' 0?712/76,*+' 6.0' 6,*564/0' .0' 2=' 47,754:' 7*26.0/' :0/,57*' -105,0-' 12--0--0-' 6.0' -7:0' ?,/640-' ;46',-' 2*=' 4-03',*' 6.0' 08' O2/3' [-73.%-!%# ' /,/73#&' 7' /014603' 7*6,-=1.,,6,5' 7*3' ?0/:,4+0J ,6-' 280/;43-' 7/0' 4-03',*-6073' 2' 5710/-' .0' [' &# .!'?5' 7' -105,0-' ?0/=' 52:2*',*' 6.0' :2-6' 7/,3' 30-0/6-',-' 4-03';='6.0' /7;-' 62' /0:2?0' /059 0-J 6.,-' 1 7*6' 7-' 80' 7-',6-' 52*+0*0/-' 0G.7 0-' -2' 506,3' 7' -:0' 6.76' 7' .0/;,?2/24-' 7*,:7-',*5 43,*+' 0?0*' 6.0' 57:0' /0 056',6' "#,9!9&'"'"'&$"#&5' 2/:0/=' 1/7,-03' 7-' 7*' 7-6/,*+0*6' .7-' 7 0*',*62' 3,-4-0

) ' A5' #8)!

++08*' ?* ;9' C *;+?' 0' *' :89A' 40 0@8' - ' F8*;4 ;:# = @?9# 8*: 9' ' 0CC0? +9# 0> 0;: ;9*8' 08' 0>0-*+9 0> 0;:# ?9?? 9' 08' ?@>?9?? 9# C *;9' *>0-9# 40;-95' >9 0/# 9?>A# 95?+ C@ *+9' o 8 !' ;' 0@8' 80/?# ;' 40; 4*' 0> 0;:' ?C F9?# 0CC0? +9# ?9?? 9# :899;# = 094 0@?' o ' '6 o 8 ' = ?+ ;4+J ,"/2$&' 4047 9*8 8B# 0>+@?9' 08' -98A' ?708+ A' *4@B ;*+9# 40;4*-9# 9;+ 89# C98? ?+9;+# 4 0?9' +0:9+798' .

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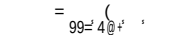

3 " ‘

C7A O@?‘ O8‘ C*8+ +9# 9?+ -*+ 0;‘ B>8 4*+9‘ ‘ ?9C* ?‘ 9R@* ‘ O8‘ @@OGC * # / +7‘ +79‘ CO?+98 O8‘ +79;‘ C80 0; :9=‘ ;+0‘ *‘ ?C@8‘ 0; : +@= ;* A‘ *=;*+9‘ +0‘ +79‘ C9=@;4 9‘ B "% 38#9 ‘ : ‘ ;?98+9=‘ 0;‘ +79‘ 8949C+*4 9# 9R@* ‘ ;‘ ;@B>98‘ / +7‘ +79‘ ?9C* ?# O8‘ 9 / 98‘ >A‘ ?@CE C89?? 0;# *;=‘ ?@> C98 :A;0@?‘ G '!/"738#9 5‘ 4 * / 9=# 9R@* ‘ O8‘ @@9G] @ ‘ D)9"7 ##9 5‘ 40;+O8+9=‘ ;‘ ?9?+ -*+ 0;A‘ 4*=@40@?‘ = ‘ ;?98+9=‘ / +7‘ +79‘ C9+* ?# *;=‘ @?@* A‘ +/ 49‘ *?‘ B*;A# ?98 *+9‘ +79‘ ;;98‘ 98+ 9# +79‘ 0@+98‘ ?708+98# *;=‘ 0CC0? +9‘ +0‘ +79‘ C9+* ?# * ‘ 98+ 9‘ G '"/8#9 5‘ O8‘ ?0B9+ B9?‘ * ‘ G "3)#8 ‘ O8‘ ?0B9‘ G 2!/"738!8 ‘ *;+798 9??‘ 8*89 A‘ +8 C 9‘ +79‘ ;@B>98‘ 0 ‘ +79‘ C9+* ?# *;=‘ = ?C0?9=‘ ;‘ ‘ +8 *;$80@?‘ >@;= 9?# 0CC0? +9‘ +0‘ +79‘ C9+* ?‘ G+38&38#/5 /"232/9!38 ‘ É #!889‘ #)&‘ B9B>8*;0@?# *+E +9;9=# *;=‘ BO89‘ O8‘ 9??‘ B0;*=9 C70@?‘ >9 0 / # + DI?‘ ?@>@ *+9# +79‘ 0 / 98‘ / +7‘ 95+98;*‘ >*?*‘ : *;=?‘ +7*+‘ * +98;*+9‘ / +7‘ +79‘ C9+* ?# 8*89 A‘ 9 : *;=@ *8‘ G '!/"738#9 ‘ /8‘%"'& ;+8O8?9# 0> 0;:# =O8? 59=# -98?*+ 9# =97 ?49;49‘ 0;: +@= ;* ‘ : ‘ 0‘ ‘ 4*8C9 ?# 40798 ;:‘ ;+0‘ *‘ 0>9=‘ 49 9=‘ 0-*8A# C80 0;:9=‘ *>0-9‘ ;+0‘ *‘ >9*F‘ +98E B ;*+9=‘ >A‘ +79‘ ?+A 9?"‘ &$7!'& 40;+ ;@O@?‘ / +7‘ +79‘ 0-*8 9?# 40;;*+9‘ >9 0 / # 899 *>0-9# ?+ :B*+ 980@?‘ * 0;:‘ +79 8‘ ;;98‘ 9=:9"‘ 3(9!'& :9B ;*+9‘ 0;‘ +79‘ -9;+8* ‘ ?@+@89‘ 0 ‘ 9*47‘ 49 # BO89‘ O8‘ 9??‘ ?@C98 BC0?9=# ?9B *;*+80C0@?‘ (- ‘ *‘ 4*D ?@ 9# 0C9; ;:‘ 9 *?+ 4* A‘ 80B‘ >9 0 /‘ @C / *8=?# >A‘ ?9C+ 8*:* ‘ =97 ?49;49# ;+0‘ -9‘ H ?99=9=‘ 4044‘ / +7‘ ?C 8* A‘ + / ?+9=‘ >9*F?# *;=‘ =9+*47 ;:‘ +79B?9 -9?‘ 80B‘ +79‘ DI *49;+ 98O@?‘ 40 @B;‘ ‘ M :0;0@?‘ ‘ $'&$/‘ 48@?+*490@?‘ ‘ !##!9 ‘ -9;+8* # *‘ ++ 9‘ >9 0 /‘ +79‘ > ?9‘ " - ! ‘ 95* >@B ;0@?# 4@8-9=‘ ‘ 23$-!')38& 0 *490@?# 95@0@?‘ ‘ "/)#2!‘ 40; 4* # ;E 4@B>9;+ 0;‘ +79‘ ;;98‘ 40+A 9=0;# ;9*8‘ +79‘ 7 @B# *;=# +0:9+798‘ / +7‘ +79‘ + C?‘ 0‘ +79‘ 40+A 9=0;?# C0 ;+ ;:‘ +0 / *8=?‘ +79‘ >*?9‘ 0‘ +79‘ 8@ +

‘ ‘

2 0 ' ‘ % P OS7/c2*,4,*

b% ?C0? + 0;‘ 0‘ +79‘ '"/8#/2'<‘ C80C0?9=‘ ;‘ +79‘ Ú 9;98*‘ *;+*8@B‘ .) 1

6!‘!‘6‘ ' # 5 2 2?/0/-‘ /0+4 7/‘ 2/‘ *07/ =‘ -2‘ 017 -‘ ,:;/,5760‘ 067 -‘ 7 60/*76,*+‘ 8,6.‘ + 7*3-‘ *6.0/, 0/24-‘ -67 : 0*-‘ 7N‘ : 7*=‘ 7-‘ 6.0‘ 1067 -‘ 2/‘ 68,50‘ 2/‘ 6./,50‘ 7-‘ : 7*= : ' ‘ ‘1 (" ‘ = (‘!A "

6!‘66‘ 2! / G 5 0 280/-‘,//0+4 7/‘ 2-6,524-‘-017‘-14//03‘ 067 -‘10/,+=*24-‘ 682‘4110/‘0G60/*7 ‘ 7*3-‘$‘ 67 : 0*-‘305 ,*760‘ 4 " > (‘< 5 "

! ‘666‘ - 1 -‘ D-00‘ 2/30/‘ - ! 4 1‘ ((F B 280/-‘ /0+4 7/‘ 017 -‘ ?7 ?760‘ 067 -‘7 60/*76,*+‘ 8,6.‘+ 7*3-‘ 71-4 0‘,*30.,-50*6‘*26‘;07903‘ ?7/=‘ ‘J 2?4 0‘ 8,6.‘7*‘,* 0/,2/‘ :,2/21= 0‘ 6"(‘3 "

‘ ‘ ,?, , , B 280/-‘ /0+4 7/‘ 7 =G‘ 8,6.‘?7 ?760‘ 2;0-‘ 067 -‘ 7 60/*76,*+‘ 8,6.‘+ 7*3-‘ 67 : 0*-‘68,50‘ 7-‘ : 7*=‘7-‘ 6.0‘ 1067 -‘ 71-4 0‘ 254 ,5,37 J 2?4 0-‘+0 :,*760‘ L '

! ‘ > 5 280/-‘ /0+4 7/‘ 017 -‘,:;/,5760‘ 7*3-‘$‘ 6,+ : 7-‘ ,+4 760‘ ?4,‘ □□ 07?0-‘ - : 7 ‘ 2 60*‘ 2112-,60‘ 0*6,/0‘ 2/‘ TBE 2;03‘ $%-82%3#%‘2/5‘ '8)$#/5 !+ & +

! ‘<6‘ %. ‘ D-00‘2/30/‘%. 4 1‘ TY<F B 280/-‘ /0+4 7/‘ 017 -‘,:;/,5760‘ 7*3-‘$‘ 6,+ : 7-‘571,6760‘ ?4 0-‘T 22‘‘ 07?0-‘ 2 : 124*3

! ‘<66‘ & - G D-00‘2/30/‘& - . 4 1‘ ($YF B 280/-‘,//0+4 7/‘ 2-6,524-

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'"/8#/2'2 7/0 -2 5 2-0 =7 ,03 62 # 888$%' 5 6#(#/ '''5 ')328".'''5 ?/*)' 5 7*3 /!&/ #8'/5 6676 0/,6.7:7*3 2290/ , .7?0 4*,603 6.0:, *62 2*0 7:, =52**056,*+ 8,6.6.0:7 -2 "3.$'3FW : 8.,5.7/0 *07/ '!/"738#9 ',*6.0,/ ,//0+4 7/ 7*,-2-60:2*24- 0+ 7*34 7/ 280/-14//03 12-60/,2/ -017 7*3 10/,+=*24- 1067 - 8,6.'6.0 682 4110/ 0G60/,2/ J ;46 8.,5.7/0 -017/7603 ;=6.0,/ 6/00 0/6,0 -67:0*- 2?4 03 ,*30.,-50*6 57/10 - 8,6.246 ;079 7*3 0G-6,14 760 07?0- C # 8/8#%'# ,- 3,-6,*+4,-.03 /2: '"/8#/2'2" ;=,6- ?7 ?760 57 =G /00 -67:0*- + *2;7-03 -6=0 2?4 03 ;079 0- ,*30.,H -50*6 57/10 - -6/7,+.6 0:;/=2 7*3 0G-6,14 760 07?0- 6# /8#'2A 3, 0/ ,* 6.0,/ ?7 ?760 57 =G (50 03 571-4 0 8,6. 254 ,5,37 30.,-50*50 -003 8,6. 521,24- 7;4:0*7*3 0G-6,14 760 07?0- ')32/".'2" 3, 0/ ,* 6.0 7;-0*50 2 + 7*3- 6.0 ,+4 760 -6,+:7- 254 ,5,37 571-4 0 7*3 0G-6,14 760 07?0- ?/!#)'2" 7/0 -017/7603 ;=6.0,/ 52:124*3 0G-6,14 760 07?0- 0+ 7*34 7/ /0501675 0 571,6760 -6,+:7- 571-4 7/ 2/ ;0//,03 /4,6 7;4:,*24- -003 7*3 -6/7,+.6 2/ -57/50 =54/?03 0:;/=2 #/!&/ #8'2" .7?0 ,90 '!/"738#9 5 ,//0+4 7/ 280/-7 -14*/03 12-60/,2/ -017 7*3 7* 0 7-6,57 = 10*,*+ /4,6 ;46 6.0= 3, 0/ ,* 6.0,/ 0G-6,14 760 07?0- 0+ 7134 7/ 3,-9 10*67*3/24- 7*3/205,4 8,6. 52**760 2/ 52**,?0*6 7*6.0/- -0--,0 -6,+:7 254 ,5,37 571-4 0 7*3 -6/7,+.6 0:;/=2 8,6. -410/,2/ /73,5 0 '"/8#/2' 711/275. [-73.%-!!''" '6.0,/ 2,*603 -60:70-6,?76,2* 3,1 2 2/ 6/,1 2 -60:2424- 280/ 571-4 7/ /4,6 3,?,3,*+ ,*62 5255, 2112-,60 7*3 -6,14 760 07?0- J ;46 ,* [-73.%-!!' 6.0 ,7:0*6- 32 *26 52.0/0 7*3 7/0 ,,2/:6.0 -6=0 ,- ,:10 6.0 -003- 7/0 2 60* 7;4:,*24- 7*3 6.0 0:;/=2 ,- -6/7,+.6 2/ .7/3 =54/?03 #8'2' DO-105,7 =6.0 +0*4- #89"8 7 -2 711/275. '"/8#/2'/ ,* 6.0,/ 52/2 7 7*3 ,* 6.0,/ 7*3/505,4 52:12-03 2 E 0/6,0 -67:0*-7*3 E -67:,*230- 2112-,60 62 6.0 1067 - 6.0,/ 3, 7603 ,7:0*6- :2730 1.24- 76 6.0 ;7-0 6.0,/ 0*6,/0 2??/= 8,6. 2?4 03 50 - 10*34 24- 7*76/2124- 2?4 0- 60/:,*7 571,6760 -6,+:7- -6/7,+.6 0:;/=2 7*3 4-47 =0G-6,14 760 07?0- ,*7 = '"/8#/2'2" 0/ -2:0 7 ,*,6= 8,6. + /!> (/2'2 '#8 6.0,/ -6,14 760 17 :, 2;03 07?0- :2730 1.24- -67:0*-0G7;4:,*24- -003- 7*3 52, 03 0:;/=2 : 1/,*5,17 =,*.7:,6 87/:60:10/760 7*3 6/21,57 524*6/,0- 2 ;26. 82/3- : 7*3 " 0-105,7 =;0 2*- 62 6.0 *2/6.0/* .0:,-1.0/0J 62 246. /,57 7*3 6/21,57 1*3 O0-6 -,7 + 7/0 :06 8,6. ,* -246. 60:10/760 76,6430- 7*3 0-105,7 =76 6.0 710 2 223 210J 6.0=7/0 /7/0/ ,* 4-6/7 ,7 7*3 ,* 6.0 246. 75, 5 -7*3- *0 -105,0- . # " ; 73?7*50- ,*62 -,7 ,*2/ ! ,- 8.2 =246. :0/,57*7*3 5.,0 =80-60/*J 9 # 7*3 7/0 7-2 0/4?,7* 7*3 .,,7* :2/6. :0/,57* ;246 <$$ -105,0- 7/0 9*28* # + 62 6.0 7=+0*0/7 0*4:0/7603 > : 52*67,* 67**,* 7*3 +7 ,5 75,3 7*3 6.4- 12--0- 7-6/,*+0*6 1/210/6,0- 0?0/7 52*67,* /0-,*- 7*3 7 ?2 76,0 2, :,G03 8,6. 7* 7;4*37*6 :45,7+0J 26.0/- 52*67,* /00 75,3- 0/; 2;0/6 . " 1/7*3 : + " ,*3,+0*24- -105,0- 2/:0/=4-03 7-6/,*+0*6- 7*3 -,+.6 -6,:47*6- .7?0 7 0* ,*62 3,-4-0J : ! ,- -6, 4-03 7- 7?4 *0/7/= .0/226 2 : " # " 7 *76,?0 2 2/6. :0/,57 ,- 6.0/0 73:,*,-60/03 2/ 3=-0*60/=6.76 2 : " 7*3 " /01750- ,* 67=6.0 ## 3 " # " 8.,5. 0G.7 0- 7 -6/2*+ 2324/ 2 :4-9 ,- 7 /014603 -6,:47*6 7*3 3,71.2/06,5 2:0 0 7/+2*,4 - 7/0 7- /0:7/97;0 2/6.1,/ -50*6 7- 2/ 6.0 ;/, ,7*5=2 6.0,/ 52 24/- 8.,5. 574-0- 6.0:62 ;0 54 6,?7603 7- 2/*7:0*67 1 7*6-J -45. 7/0 ? # 7*3 @" 6.0 ;/4,-03 07?0- 2 8.,5. 574-0 /4-6= -126- .0 17 0 =0 28 280/- 2 7/0 -126603 8,6. ;/28*7*3 7/0 -8006 750*603 ;=*,+.6 /2:-2:0 -105,0- 7 ?0/= -8006 ?2 76,0 2, ,- 2;67,*03 ;= 3,-6, 76,2* 8.,5. ,- 4-03 62 734 60/760 0--0*50 2 /2-0- .0 64;0/- 2 " 5 7/0 0:1 2=03 ;=6.0 7:7>42,- ,* 3,7//.207 .0 07?0- 2 " 7*3 ! # " .7?0 7 ?0/= 7+/007;0 -.7/1,-. 67-60 .0 /0-,*24- ;7-7:,5 -60:2 ! ;4/*- 8,6. 7 7:0 7*3 6.0 *76,?0 2 246. /,57:790 62/5.0- 2 ,6

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? ‘2]E‘ /@8->:‘ >3((!A ‘ 2‘!!&>5‘ ‘&$#7 /‘ &‘&&#!‘‘ 0 1 ‘ /‘ 2/.&9!‘5‘) ‘%#&2#87‘ ‘!/&$#K 2/!!-5‘ 3‘“ /8‘ #8) ‘%#&2‘8$‘)“9.‘‘ “ - ! ‘&$“/#7%$5‘ ‘?/!,9 #839&

0 +‘ ?@44@ 9 ; +‘ ! 4‘ @?@* A‘ * ; ; @* #‘ ?0 B 9+ B 9?‘ ?@ 8@+ 40?9#‘ 9894+#‘ @ ‘ 0 ‘ / *+98A‘D@ 49“ 8OO+‘ >8O@?‘ 08‘ ?0 B 9+ B 9?‘+@>980@?‘ ‘ ?0 B 9+ B 9?‘ * ‘ 8*= 4* #‘ 0 ; : C9+ 0 9=#‘ 4O8=*+9‘ O8‘89 ; O8 B “ 4*@ ; 9‘ ODICO? +9#‘ * +98 ; *+9‘ O8‘+98 ; *+9 A‘ / 7O8 9 #‘ C9 ; ; ; 98 - 9=#‘ 489 ; *+9‘ O8‘ = 9 ; +*+9 “ &$#.9!‘&‘ #‘ > @+‘ C9+ 0 9?‘ ?0 B 9+ B 9?‘ @8 ; ?79=‘ *+‘ +79‘ >*?9‘ / +7‘ ?@>?+ C +*+9‘ 4@C@ *8‘ : * ; =?“ .‘)982!‘&‘ *5 *8A#‘ ?O +*8A‘ O8‘ *: : 89E : *+9=#‘ H ‘ 0 / 989=#‘ >8*4+9*+9‘“ .‘)#2‘!&‘ ; *F9=‘ O8‘ >8*4+9O *+9 ‘ 0 8 ‘ A‘#‘ 889E : @ *8#‘ ?C@889=#‘ O +9 ; ‘89?@C @*+9‘ 8O B‘+79‘ / 9*F ; 9??‘ O ‘+79‘ C9= 49 ‘ * ; =‘ -9 : +‘ O ‘+79‘ ?C@8#‘ / 7 47‘ 79 ; 49‘ *CC9*8?‘ CO?+98 O8‘ ‘ ?(D4‘ 889 : @ *8#‘ 40 O@89=#‘ 4*=@4O@?#‘ B >8 4*+9‘ ; ‘?9?+ - *+ O ; #‘+79‘ ‘ O@+98‘ *+98* #‘ OCCO? +9#‘ ?B * ‘ O8‘ B ; @+9#‘ ; 4@ B >9 ; +‘ O ; ‘+79‘ ‘ * ; +98 O8#‘ / 7 47‘*896‘?0 B 9+ B 9?‘ / * ; + ; : “ +79‘ CO?+98 O8‘ *8 : 9#‘ 40 ; 4*-9#‘ C8OE 0 ; : 9=‘ *+‘+79‘ >*?9‘ ; +O‘ *‘ >O??‘ O8‘ ?C@8#‘ * ; =‘ 9 ; - 9 OC ; :‘ +79‘ O - *8A‘ @‘ >@=‘ ‘ ; ?98+9=‘ O ; ‘+79‘8949C+*4 9#‘ O ‘ ‘C9+* ?‘ * +98 ; *+9‘ / +7‘+79‘ ?9C* ?#‘ * ‘ 899‘B -)>"322"/ 5‘ O8‘ *CC9*8 ; :‘ 89=@49=‘ +O‘ M‘ >A‘+79‘ 40 ; @9 ; 49‘ O ‘+79‘ *+98* ‘ / +7‘ +79‘ ‘ CO?+98 O8‘ C9+* ?‘ G ./$#‘8& “ * ; +98 98‘ C9+* ‘ 40 ; 4*-9#‘ B @47‘ *8 : 98‘ +7 * ; ‘ +79‘ O+798?#‘ * ; =

9;-9 0C ;:+79B CO?+98 O8 C9+* ?? ?B* 98#9;-9 0C ;:+ 9 *+98* = 4 #
;?98+9= 0;+79 8949C+*4 9# *?0;:**?+79 0-*8A# *;=40-98 ;:+ F9*;0C984@ @B :#!/ '8$&?7O8+# *++9;9=#40798 ;:**+79+0C /8$%'"& ;+8O8?9# 49 9=#40;;-9;+O8 407989;+ # -" 899#?9?? 9#4A ;=8 4 07 0;:#O8 O>+@?9 A**;:9=# 49 9=" &$#7 /?9?? 9#9;+89 O8 C*8+ +9 3(9!'& ;@B980@?;9*47 49 D ./$#'8& 5O8 M G -)"3 2'"/5 H ?98 *+9# C9;=@ 0@?#*;*+8OCO@? 2 **04@ 4 =** -* -9=4*C?@ 9# 9 *?+ 4* A40 ;:; /*8=?80B +79 +0C =0/;/*8=?#O8 0@+/*8=?80B +79 >0++0B @C/*8=?" ?0B 9+ B9?**;; =97 ?49;+ 49 9=8@C9/ +7**>0;A 0>9=9;=04*8C = C9;=@ 0@?# ? :7+A 40BC89??9=" $'&$/5 B9B >8*;0@?# =0++9=8 O8 +@>984@ *8# :*>80@?O8 -9 -9+A# "-!1 95*>@B ;0@?# ?+8* :7+' 23$-!')38&5 C*;0 40;-95# 9?7A" "/)#2!'5 -98A ?7O8+# ?@C98 O8

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/!&8 # 2" 7/0 5 2-0 =7 ,03 62 '#>/8#/2'2" D-00 6.76 7:, =#5 .0=5 7/0 0>47 =*07/ ?/!#)'2" ,*.=121067 ,-*,'E 50 03 2?7/= 8,6.' 10*34 24-5 7*76/2124-5 2?4 0-'4-47 = 254 ,5,37' /4,6' 7*3 7G, 7/= 280/-J .46 ?/!#)' '3, ,00/ ,*'6.0,/' /0+4 7/ 3,1 2-60 : 2*24-5 280/' /00 -6= 0-'6.0 ?7 ?0-5 2'6.0 571-4 0 /0:7,*,*+5 76675.03 62 6.0 1 750*6, 0/21-5 52 4:* '6.0 4-47 ;7/, 760 7;4:,*24-5 -003'7*3 6.0 52:124*3 07?0-5 #8'2" .7?0 -2:0 7*7 2+,0-5 8,6.5 /!&/ #8' 5 24*303 2*' 6.0 E 1. 3 24-5 57 =G'6.0 12 =1067 24-5 .=12+=*24-5 ,-2-60 : 2*24-5 52/2 7 8,6.' 10*34 24-5 7*76/2124-5 2?4 0-'6.0 571-4 7/ /4,6' 7*3 6.0 -003 8,6.' ,66 0 2/ *2 7;4:0*J ;46 6.0=7/0 -017/7603 ;=6.0,/ /0+4 7/ 280/' 52*62/603 52/2 7 2*+5 -6=0-'60/H :,*7',* 2/0-50*50'7*3 0*6,/0 07?0-5 .0 7 ,*,6= 8,6.' "3. 3!'2" ,-5 :2/0 2;?,24-@ ,//0+4 7/ 52 24/03 57 =G 8,6.' 2*0 -017' 1/2 2*+03 ,*62 7 +14/' -0?0/7 50 03 2?7/=' 10*34 24-5 7*76/2124-5 2?4 0-' 571-4 7/ /4,6' 0G7;4:,*24-5 -6/7,+.6 0:;/=2' 7G, 7/= 280/-' 7*3 .0/;75024-5 -60 :J .,,6 ,*' "3. 3%2& 6.0 57 =G ,-5 10/-,-60*6' 7*3 ,6 ,-5 6.0 12-60/,2/ -017' 8.,5.',-5 1/2 2*+03 ,*62 7 -14/' 6.0 52/2 7 ,-5 7*,-2-60 : 2*24-' 6.0 2?7/= .7-5 6./00 2?4 03 50 -' 7*3 6.0 /4,6 3,?,30-5,*62 6./00 ,*30.,-50*6 2;0-

/!#/ 4 ' ' :2-6 =+/28',*'6.0 : 24*67,*24-5 /0+,2*-5 2' *3,7 7*3 /,57J 7 08',*.7;,6 246.' /,57' 2/6.' :0/,57' 4/210' 7*3 0*6/7' -,7' .0 4/2107*' ,-'6.0 ./$#'8& 3!#> '>$/87'"'5 2/ 245.' :0*26' 257 03 /2:'6.0 0 7-6,5,6=2',6-5 571-4 0-'8.,5.'210*' /2:';0 28'4187/3-'7*3 -57660/'6.0,/'-003-5 76 6.0 - ,+.60-6 6245.J#$'<!& 2/:0/=5 7--03 7:2>+3,4/06,5 :03,0,*1-' /!&/ #8/',-5 7*' 7-6 *3,7* 7**47 '0?0/=8.0/0 54 6,?7603 2*' 75524*6 2'6.0 7;4*37*50 7*3 ?7/,06=2'6.0 52 24/-5 2',6-5 280/-'8.,5.' .7?0';00*' -2 324;03 ;= 2/,-6-5 7-5 62 .7?0 ;052:0 7:2-6 /0+4 7/ ./8#:!3"/',-5 7:2-6 *764/7 ,M03 ,*'-.73=1 750-5 *07/ 7/,-' -)"32'"/';0 2*+-5 62 6.0 :7/-.0-5 2'6/21,57' -,7

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0 8 '#""'79!/" ' '98'M9/!5 $%" .3&$'"#3" &.9""')' 2 '.'"#7-839&5 98'M9/!5 'M9/! /8)'/!$'"8/$'" <#$%' $%" &'./!&5 3":'<'" - J' '%-.37-839&' % J;:"'5 3:'$%"'" N>3(9!')'2'!!&' '?/!,9 #839&' " -! '&$"/#7%$5 <#$%' $%#2F 23$-!'K)38& 1 -'%'",/2'39&' '/!$'"8/$'

4 '+7*50 76 6.0 -0?0*6/,;0-5 2' ' 8#/2'/'."3-3&'# "3.2$3!'2" 7/0 -2',*60/:,G03 6.76,6 71107/-5 :12--,;0 ,*6.0 I 0*0/7 7*67/4:#7*3 .0/0',*6/234503 4*30/ 62 9001'6.0-0 +/241-5 3,-6,*56 7-5 2/30/- B" 6.76 2/30/ D1' ($&F'8, '-.28' .28'6.0 5.7/7560/-5 4-03 ' 26',*' #3.%-$9 O4 &1 62 -017/760 '"/8#/2'&5 ?/!#)')5 /!&/ #82 5 7*3

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@44@ 9;+#' C8O?+8*+9#' : *>8O@?' O8'+/ ; ; :' ! ' / +7' / *+98A'D; 49" 8OO+' @?@* A' +@>98O@?' 8 B O8= * ' ' OCCO? +9#' ?+ C@ *+9"+79' O+798?' * +98; *+9#' 95?+ C@ *+9#' C9+ O 9=#' ? B C 9#' C9 +*+9#' 9;+ 89' O8' O>9=#' O8'=99C A'C* B C*8+ +9' / +7' 9;+ 89' O8' 4@+' O>9?#' ?O B 9+ B 9?' C9 @4 = =O++9= ' O 8 ' :#' 889:@ *8#'*5 *8A#' O;: C9=@;4 9= ' .' 4O O@89=#' C98? ?+9;+#' =#' CC9=#'+79'@CC98' C' =#'+79' O / 98'M =' *;='C8OE O;:9=' *+'+79' >*?9' ;+O' *' 7O O / ' ?C@8#'*9?+ -*+ O;' B >8 4*+9' O8' ?@>-* -*+9 ' 2 ' ;?98+9=' *+'+79' >O++0B' O ' $% ' ' 4* A5#' 9R@* ' *;=' * +98;*+9' / +7' +79' ?9C* ?#' O8' 9 / 98#' B >8 4*+9' ;' *9?+ *+ O;#'+79' ' @CC98' ;?98+9=' O;' +79' +78O*+' O ' +79' ?C@8#' *;=' 95+98 O8#' ?C89*= ;:#' *;=' = 989;+' 8O B' +79' M' O / 98#' / 7 47' *89' @?@* A' ?B * 98' *;=' ?0B 9+ B 9? ' - ' '@;9R@* #' ;?98+9=' O;' +79' 8949C+*4 9#' ?@88O@;= ;:' +79' O - *8A":#!/ '8$&' ?@>@ *+9#' 899" /8$%'"&' ;+8O8?9#' 7*? 59=#' 9894+#' =97 ?49;49' O;: +@= ;* ' % ' 899#' ?9?? 9#' M O>9=#' 49 9=L" &$-!' 49;+8* #' O8B#' = - =9=' *+' +79' +0C' ;+O' +7899' >8*;479?' +98B ;*+9=' >A' *' B ;@+9' ?+ : B *" 3(9!'&' ?O +*8A#' C9;=@ O@?' 8O B' +79' +0C' O ' +79' ;;98' *;: 9' O '9*47' 49 #' *;*+8OC0@?' O ' O ' M' ;=97 ?49;+' =8A' O8' ?C0;:A

9?7A'4*8C9 ?#'8@:0?9#'?9C*8*+ ;:' 80B'*' ?7O8+' C98? ?+9;+'40 @B;' = ' ;-98+9='' $'&:/ 4*8+ *: ;0@?#' O +9;'40; @9;+' / +7'+79' 9;=04*8C' " ' 95* >;B ;0@?#' ?+8* :7+'' 23$-!')38& +7 4F#'79B ?C798 4' /79;' A0@;:#' * +98/*8=?' O +9;' 40798 ;:#' *@8 4 9='*+'+79' >*?9#'*@8 4 9?' *CC89??9=' >@+' = ?+ ;4+#'40;49* ;:' +79' ?7O8+' 8*= 4 9#' /7 47' ?';9*8'+79'7 @B '*;='?@C98 O8

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P /21-02 4 :

"3./3!'/5 1 7503' ;0-,30' '!/"738# 8';=' 0*6.7:' 7*3' 2290/', 711/275.'! 8/8$%'/' D8.,5.' 6.0-0' 746.2/-'.7?0' 7-2' 7**0G03'62' '"/8#/2'$ ',*' 6.0,/' 10/-,-60*6' 57 =G'6.0,/',:;/,5760' 10/,+=*24-' 2/' -4. 10/,+=*24-' 7*,-2-60:2*24-' 2/' 3,1 2-60:2*24-' 1067 -'6.0,/' 8.2/ 03' 57/10 -' 73.0/0*6' 7/24*3' 7' 50*6/7' 52 4:*',*62' 7*' 2?7/=' 8,6.' 2?4 03' 50 -' -017/76,*+' /2:'6.0' 52 4:*'6.0,/' 0G7 ;4:,*24-' -0 3-'.0/;7H 5024-' -60:'7 60/*760' 07?0-'7*3' 7G, 7/=' 280/03' 1034*5 0-J [# 8/8$%'2&;0,/6+'.7/3 =' -017/7603'0G5016' ;=' 6.0' /0+4 7/,6=' 2'6.0,/' 280/-'6.0' -67:,*, 0/24-' /,*+',*,*+'6.0';7-0' 2'6.0' 57 =G'6.0,/' 3001 =' ('2/' E 2;03' 2?7/=' 7*3' 7-50*3,*+' 2?4 0' 2/'6.0' 7 ,,*,6=' 8,6.' /%/ #8'/5 -00' 6.,-' 7:,='2:0' 7*7 2+,0-' .7?0';00*' *26,503';0680 0*' "3.2'3 '7*3' #8'2'5;46'6.0' 7660/'3, 0/',*'6.0,/'.=12+=*24-'/0+4 7/'1067 -'6.0' T 2?4 03'50 -'2'6.0,/' 2?7/='6.0' /00' -6=0-'7*3'60/:,*7',* 2/0-50*50' "3.2&3!'2" :7='8,6.':2/0' /07-2*';0'52:17/03'8,6.' /../"#)'2'' D-00'6.,-' 7:,=F

"3.$'3F2'' 7/0' 7 ' *76,?0-'2' 246.' :0/,57'7*3' 5.,0 =' 2'6.0' 80-60/*'-210-'2'6.0' *360' .0=' 52*67,*' 7*' 75/,3' 7*6,-52/;46,5' 1/,*5,1 0'7*7 2+24-' 62' 6.76' 2' /0--' .0' 7/+0' 7*3' -:7' 7-64/6,4:' G ' / 9&' 7*3' #89&'7/0' 54 6,?7603',*' 4/210J' 6.0,/';43-'7*3' =24*+' /4,6-'7/0' 0:1 2=03'7-'7' 52*3,H :0*6',*-6073'2'5710/-' .0' 7/,*75024-' 64;0/-'2' ' $9%'"3& 85:730',*62' 0 =' 8,6.' 6/075 0' 4/*,-.' 7'-2/6'2' 223'62'6.0' 0/4?,7*-

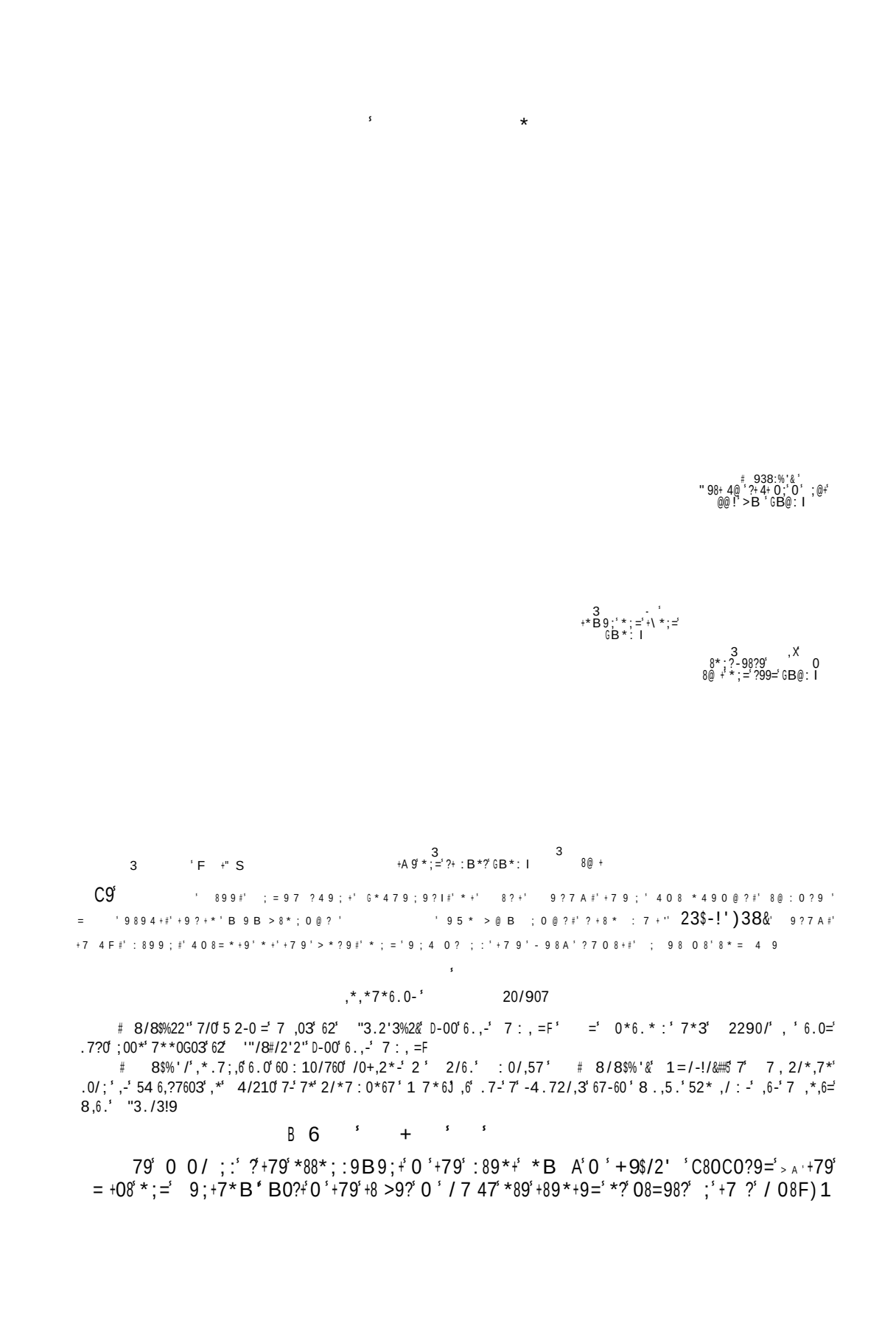
' + A

G + 6# " 8M = 5& #8)!

= 'M #(/!(/$'5 6&!#7%$!-'# ,"#2/$'' : 'M9/!' /8)' /!$'"8/$'' <#$%' $%'' &'./!&5 238$3"$')'#8' /'&$#(/$#385 #8&'"$')' 38' /' 7!/8)9!/'" "#87' !#8#87' $%'' ,3$$3 ' 3:' $%'' 2/!-?' =)39,!'' $%'' 89 ,'" 3:' $%'' .'$/!&5 &9,>.'"#7-839&' # "')''.!-' ' !3,')5 &$-!'' 7-83,/&#25 2'!!& $>3(9!')' # - '"'2$5 /8/$"3.39&' #.'' 2 899#' #8)'%#&2'8$' "'?/!,9 #839& 8 = %'",/2'39&' M /!$'"8/$'

;;@*' ?@44@ 9;+: >80@?' = @?9' B*8?7' C*;+?' M * +98;*+9# 0;:' C9+ 0 9=# C;;*+ =' 08' > C;;*+ =# / +7';*880/' *;490 *+9' 08' 0-*' = - ? 0;?' &$#.9!'& ' * 89:@ *8# ' .')982!'& *5 *8A# 0;:# H 0/989=# 0 +*8A# 978*4+9*+9';*;='+7 4F9;9=' *+'+79'+0C' = # -* -*+9';'?9?+ -*+ 0;' D # 8/8$%'& 5 08' M# ? :7+ A' B>8 4*+9' G 6498 +9*I' : ' 08' M# ?@> C98 :A;0@?# 40;+08+9=' ;' *9?+ -*+ 0;# B*849?49;+' = H ' G # 8/8$%'& 5 08' N' G !2'"%'/ 5 ?@> C98 :A;0@?' :#!/ '8$&' C*;0 ?@>@ *+9' 8' ?@>@ *+9 08B# B*849?49;+# ?0B9' 0CC0? +9' +0' +79' C9+* ?# 0+798?' 0CC0? +9' +0' +79' ?9C* ?' *;=' @8;?79=' / +7' *' :*;=' *+#+79' >*?9' /8$%'"& ;+808?9# ?@>:0>@ *8 = =AB0@?# =97 ?49;49' 0;:+@= ;* ' ' A # 8/8$%'& 5 08' ' G !2'"%'/ 5 0CC0? +9' +0' +79' ?9C* ?# ;9*8 A' 899# 40;*+9' *+' +79' >*?9' ;+0' *' =99C A M 0>9=' 0-*8A# M 49 9=" &$-!'':A;0>*? 4# / +7' ' ?708+' ?+ :B*+ 980@ ' >8*;479?' 3(9!'& ?0 +*8A' ;' 9*47' 49 # *?49;= ;:#*;*+80C0@?# B 480CA 9' ; 98 08# 8*C79' =08?*

' 00' :'"/8#/2'2'5 1' ($&



98 9? 1 -*8A' =99C A' 0>9='' ?+A 9? >*? *8' 08' -9;+8* # 899' 08' 40;;*+9' >A'+>9 8' ?+ :B*?0; A' 8@ +' 4*C?@ *8' 08' 0 '(E' 4044 # 9;4 04*8C @?@* A' ?9C*8*+ ;:

! ' ' *- , J D-00' 1 '(TTF B 280/-' 4-47 =' ,//0+4 7/' 2/2 7' 4-47 =' 64;4 7/' +7*,21067 24-' 67 : 0*-' E ' -2 : 0' 2 60*' 7*7*6;0/24-' /00' 2/' 73 ,0/0*6' 62' 6.0' 52/2 7' ?4 0-' T' ;4 : 0*' -57*6=' 2/' $' 26= 032*-' 52*?2 460 B 07?0-' 4-47 =' ;/273' 7*3' 52 : 124*3' 07 06-' (' /21,57' : 0/,57' ! 3#)'/5 "# $%"33%#$385 /!#.'/5 #23"'/5 + 388'# 5 "5

!!' 66' 6+96 6' D-00' A+9 :)6 6' 1' (EF U 280/-' /0+4 7/' DOG5016' 1#'$< 8 5 ' E' Q' 2 60*' 3 : 2/24-' 067 -' 7*3' -67 : 0*-' /00' -1/073,*+' ,-9' /00' 6.,59' ?4 0-' (' 2/' : 2/0' ;4 : 0*' 0-.=' : ;/=2' 2 60*' 54/?03 B 0/;-' 2 60*' -./4;;=';0 28' 07?0-' 2 60*' 1,**76,-056' .,0 =' *76,?0-' 2 ' 6.0' *2/6.' 60 : 10/760' /0+,2*-' 9$/5 / 8#87%/9&'8$/5 '7/' 89 5 #2$/ 849&

! ' ' -! ' D-00' 1 '(T F B 280/-' /0+4 7/' 4-47 =' 067 -' /00' 4-47 =' 0/056' A 67 : 0*-' % E ',*-0/603';0*076.'6.0' /00' 03+0' 2 '7' 3,-9' 6.76',-' 73*760' 62' 6.0' 57 =G 64;0' ?7/=' 4-47 =' 3001 =' % 2;03' ?4 0-' 4-47 =' +0 :,*760',*' 075.' 50 ' 7/10 -' 2 60*' ;07903' ;4 : 0*' $' : ;/=2' -6/7,+.6J 526= 032*-' 0-,= B -47 =' .076. ,90' -./4;-' ' 246.' /,57*' /!3)'8)"385 92%2'$#&5 + /2"3&$-!#&5 1#3& /5 3!'34$#/#:#/5 2 /)'8#/5)'8/8)"/5 /"3& /5 7/$%3& /5 "5

!!' ' 2 , ,5 D-00' 1 '(TTF B 280/-' /0+4 7/' ' ' 067 -' 7*3' -67 : 0*-' /00' ,-9' /00' 5414 7/' 2/' 7**4 7/' 2/' $' ?4 0-' T' -410/,:12-03',*' 075.' 50 '/7/0 =' +0 :,*760' 7/10 -' T E' ;4 : 0*' 0-.=' 0 :;/=2' 60/060 ./4;-' ' 4-6/7 7-,7*' [#'"#/5 -/83$%/ 89&5 %2%/!#9 5 %#!3$%'2/5 %3"#! 8/5 3"38#)5 "#3&$' 385 "3<'/5 3""')5 #.!3!D'8/

! ' ' h) 7@ D-00' 1 '(T&F PB 280/-'/0+4 7/'4-47 =' 12 =+7/22 3,5 5,24-' 067 -' 7*3' -67 : 0*-' /00' -1/073,*+' ,-9' /00' " *4 7/' 2/' 64 :,3 '2/' $' ?4 0-' T' +0 :,*760' /' -410/H ,:12-03' 7/10 -' T E' :;/=2' -6/7,+.6' 2/' 54/?03' J 526= 032*-' -47 =' 76 B /21,57' 6/00-' 2/' -,/4.-' 8,6.' 52 : 124*3' 07?0-' +'!#23.'5 [/8$%3?# !9 5 #!32/".9&5 (3)#/5 '# '"/5 &38' 0%'2!)/

0/,0-' : B ?7/=' 0*6,/0' 2/' C-,+.6 =' 2.03' J -6= 0' 60/:,*7 ' /4,6' 3/4175024-' 2/' 52/,7H 5024-' 7/0 =' 30.,-50*6

! ' ' W' D-00' V . (4 1' (T(F B 280/-' /0+4 7/' 2 60*' 12 =+7:2' 3,205,2*-' 067 -' 7*3' -67 : 0*-' /00' ,-9' /00' ;4 : 0*' 4-47 =' 0-.=' 26= 032*-' ,76 B' ./4;-' 2/' 6/00-' 4-47 =' 6/21,57' 3))/!#/5 !3&$#/5 2"38-2!##/5 /&# #"3/5 %'!!3)'8)"985 $'!'/5 !4# #/

! ' <66' $ ' D-00' 2/30/' , 7@' 1' (&F B 280/-' /0+4 7/' + ' 067 -' 7*3' -67 : 0*-' /00' 2/' 52**760' ?4 0-' T' 2/' : 2/0' 0//=' 14 1=' 4-47 =' 8,6.' 7' 6.,59' /,*3' 003-' 0G7 ;4 :,*24-' 07?0-' (2,2 760' 2/' 1,**760 B /21,57' 6/00-' 7*3' -./4;-' !-23& #&5 "#.%/&#/5 !/9&'8/5 $/!/8$#/5 '"38#/5 + #2"3 '!9 5 + 9"'"/-'/5 9(987/5 #$"9&5 7!'

?' +7@?' 95+9;=9=# 9$/2'2'' 9B>8*49' M' :9;98*' *;=' N ' F;0/;' ?C94 9? 1 %U

' -

. ;' ./"&5 $ +?? 9 + 1 - 5 &')"' 9&&#'9> 7 T P& /" #87

: ' #' %-.37-839&' = ' 7'8'"/!!-')39,!'' $%'' 89 ,'' 3:' $%'' .'$/!&5 #8&'"$')' /$' $%'' ,/&'' 3:' /5 $%#2F)#&%' " ' M '!3,')5 2'!!& 40' Q3(9!')' : $ 4 ' /' 2/.&9!' ' K >#' /!,9 #839&5 3"'' 3'' !'&& "(') O 2'8$')' %D M ' /!$'"8/$'5 9&9/!!-'.'!!92#)>)3$$')5 '?&$#.9!/$'

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?/!#)'2'5 7*3' # /"9%'$"' D-00' 6.0-0' 7:,0-F' 0*6.7:'7*3' 2290/' ,6' .7?0' 4*,603' 8,6.'6.0:' P '/5 ##"/8$#'2 '7*3' [/8$%3?-%2'' D-00'6,0-0' 7:,0-F' %)$<'/4 7 ';0.:0'62'6.0' 3' VO2/.'J 6.0=' 0-1,05,7 =' 7;24*3',*'6.0'*2/6.'60:10/760' .0:,-1.0/0'6.0'-.2/0-'2'6.0' ,7 60//7*07*'7*3' :,6.' ,;0/,7'J 7*3'6.0=' ;052:0'?0/=' /7?0'6287/3-'6.0'12 0-'7*3'0>4762/' $ #8!8#%/<$#W8#D#',*:;, '6.0' ,:77=7-'7*,' 717*

#)/'' ' 280' 6.0,/' -6,>: 76,*+' 1/210/6,0-' 62' 7' ;,660/' -4;-67*50' 7' /0-,*2*7' 75/,3' 1/,*5,1 0' 7*3' 0-105,7 =' 62' 7' ?2 76,0' 2,' -05/0603';=' 6.0'+7:.-'2'6.0' 07?0-'7*3' 280*-' .0',*0'D $##$/'#"/('3!"+ 5 7'*76,?0'2'6.0' 03,60//7*07*'/0+,2*'7*3'54 6,?7603',*'7'+7/30*-',-'/5*,*/,7.0' 2/',6-'-6/2*+'-:0'7*3' 75/,3'67-60'7*3',6-'0--0*50'2;67,*03';='3,-6, 76,2*',-'0:12=03'7-'7'-:2/,0'?0/:,4+0'7*3'0,:*0*' #7+2+/ :' ,*0+7/'2' 40'87-'/0 7/303'34/,*+':7*='50*6*/,5-'7-'7'=0/67,*'/0:03='7C J4,,,-6'6.0'17+,8' .0' 2:7*-'4-03' 40'7-'7'52*3,:0*6'7-'32'6.0' 0/:7*-'-6, ' #8$/' 38$/8/5' 8.,0,' +/28-',*' 17,*' ,-'-2'0G6/0:0='75/,3'6.76',6'1/23450-'0/=-,10 7-'7*3'4 50/24-'14-64 0-'2*'6,2'-9,*'2'6,2 0' 8.2'+76.0/',6' /.!3.!#- 9 '#9%')9$ 8',-'-2':45.' 0-'75/,3'6.76'6.0' +=16,7*' 82:0*';/4,-,C',6-' :,?0-',*' 8760/' 7*3'4-0',6'7-'7'.7,/ 87-.' .0' 1034*5 0-'7*3' 280/-'2'6.0' 4/2107*' ,667*='Dh]/]484C ' U]]F\R#7/0 730*' 8,6.' 103,50 03' +7*3-' 8.,2,' -05/060' 7*' 7;4*37*6' ?2 76,0' 2,' -2' 521,24-='6.76' 6,0' ,7*6 ,+*,60-'76'6.0' 711/275.'2'7'57*3 0J',6-'/0-,*24-'-50*603'7*3'.,660/'/226',-'62*,5'7*3'-6,:4 76,*+'!U'-#8 ' /" /!/'+/28-',*'-7*3='-2,',*'6.0' 03,60//7*07*'/0+,2*J',6-'-:0 ',-'/014 -,?0'7*3',6-'67-60'75/,3'7*3' .,660/J 6.0' 4/9-'4-0',6-'-003-'7-'7'52*3,:0*6'7*3'2;67,*'7'/03'3=0'/2:'6.0:

' (

. - # - ' &')#35 9&&'9 8 < - ' &'2$#35 6'8$'8/$ 8 - (% &

3""'/

8*;:9 8*;?-98?9?94+0;'0' 8@+ | 8*;:9 *A5*;=' *;=8494 @B'GB*:I | :>' 0/98'/+70@+' "98+4*'?94+0;'0' 408O *'GB*:I | :>' 0-*8A'GB*:I

8*;:9# 99=#9;+89'*;='4@+'GB*:I

2 '%-.37-839&5' 2'&$#(/$#38' # ,"#K 2/$'' -1' %-.37-839&5')39,!'' 3'" 9!$#.!'' $%'' 89 ,'" 3:' $%'' .'$/!&5' :"''54 38/)'!.%39&' 3" .3!-/)'!.%39&' % &' &'('"/!>2'!!')' % ' 3" 3"'#8'/2%' 2'!!5'.'8)9!39&' 3" %3"#J38$/!5' /8/$"3.39&' 2 '/' N> /8->&'')')', '""-' X" -! ' '?/!,9 #839& B -'<33)-' '/!$'"8/$'5'# ./"#. 8/$'' 3" N>:3!#3!/$' '2/' ! 4'4-47 ='+7;/24-J ;7/9' 07?0-'57 =G'52/2 7', 76*0*6-'7*3' 01,57/1'52?0/03'8,6;'?0-,5 0-'52*67,*,*+'7'?2 76, 0'2, ' '10/-,-60*6'7 60/*760' 52:124*3'2 60*' 2,2 760';='-411/0--,2*'8,6.'6.0' 07 06' 2,*603'2/'6.0'621'7*' 2 60*' 8,*+03' 106,2 0J &$#.9!'&' $J' ,9)&' 7G, 7,#='6.0' 2460/' 2 60*' -1,*0-50*6' ,,C O '+0*0/7 =' N'/0+4 7/'60/:,*7 '-2 ,67/='2/'52/=:;2-0'2/'/750:03' .' -.2/6'*/502 760'2/'57*,17*4 760'% E 6226.03'2/' ,3'/7/0='(,3' D "#.%/&#/ 5'-2:0H 6,:0-'*07/='0*6,/0',:;/,5760',*' 70-6,?76,2*':7/50-50*6' 2 ',*-0/603';0 28' 6.0'2?7/='76'6.0';7-0'2'7'-6,1,6, 2/:'7**4 7/'2/' 5414,2/:' 3,-9' /00'2/'-,+.6=' 52**760'76'6.0';7-0',:;/,5760',*' 70-6,?76,2*' 305,3424-' - " ',*-0/603'2*'6.0' /0501675 0'324;0'2/':4 6,1 0'6.0'*4:;0/'2'6.0'1067-'J :#!/ '8$&' /00'2/C:2*7H 30 1.24-'76'6.0,/';7-0'2/'62'6.0':,33 0'2/'12 =730 1.24-',*07/-4;4 760'4-47 =' 3 7603'6.,**0/'7;2?0'0>47'2/'6.0'7 60/*760'-.2/60/'J /8$%'"&',*6/2/-0'32/-,'2/';7-,' ,G03',*54:;0*6' 30.,-50*50' 2*+,643,*7 ' % ' /00'-2:06,:0-' +,/6';='6.0' 5414,2/:' 3,-9' < :7*=50 03J &$-!'' 60/:,*7 '-,:1 0'-6246J &$#7 /' 571,6760' 4*3,?,303'2/'2;03J 3(9!'&',*-0/603'76'6.0',**0/'7*+0'2'6.0' 50 -'-2,67/='2/'T' 52 760/7'2/'-410/,:12-03'2/'*4:0/24-'7*3'T -0/,760'10*34 24-'2/'/7/0='.2/,H M2*67'7*76/2124-' & ' 0-.='2/'3/=';7/9'6.,59',*30.,-50*6'2'T'2/'-0?0/7' 4-47 =' -00303'50 -', 03'8,6.':45, 7+0'2/'?0-,54 2-0'50 4 0-' ',*?0/603'2/' -4;.2/,M2*67'60-67':0:;/7*24-'/71.0';/7*5.,*+'5.7 7M7'52 24/03J /!,9 '8'$' "-! 'D-2:06,:0-'-0?0/7',*' 075.'50 F'-6/7,+.6'23$-!')38&' 0,6.0/' 0-.='7:=+H 37 2,3'1 7*2 52*?0G'2 60*'4*0>47'2/'6.,59'+/00*' 2;4 760'74/,5 03J "/)#2!''-.2/6' *07/'6.0'.,4:'-410/,2/

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I /,1.7-,7 I ,:2*,7' I 4//7=7' I 229,7 I ,6/4-

□ ‘ / ,

9"/8$#/2' ‘ .7?0‘ ;00*‘ 4*,603‘ ;=‘ ,*3 0=‘7*3‘ 2290/‘ 7*3‘ 0* .7 :‘62‘ 9/"'/5‘1#3 ##$5‘7*3
[/8$ < (-!'2'5‘8,6.‘ 8.,5.‘ 6.0=‘7/0‘ ,*‘ 756‘ 5 2-0 =‘7 ,03‘6.0-0‘ 7660/‘ ;0,* ‘ -57/50 =‘-017/7603‘0G5016
;=‘6.0,/‘ :2/0‘2/‘ 0-.‘3,-6,*56‘57/10 .‘8,6.‘7‘ ;7-,7/‘2/‘?0*6/7‘ -6= 0‘ ;=‘6.0,/‘571-4 7/‘ /4,6‘7*3
7 ;4 : ,*24-‘-003‘J 7*3‘0?0*‘6.0-0‘3, 0/0*50-‘3,-71107/‘ ,*‘ : 7*=‘1#3889"'‘ 8.,5.‘7/0‘0G7 ;4 : ,*24-‘7*3
,*‘-2 :0‘ [/8$%3?-!'2&‘8.,5.‘ .7?0‘7‘ 0-.=‘ /4,6J‘7‘+0*4-‘2‘6.0‘7662‘ 7 : , =‘ F# #/5‘.7-‘,*‘ 756‘ ;00*‘
5 7--03‘7 : 2*+‘ 9"/8$#/2' 5‘7*3‘1 7503‘,*‘6.0‘+0*4-‘ # 38#/‘ 9"/8$#/2' ‘711/275.‘+)#/2' ‘,*‘6.0
1067 -‘,*-0/603‘76‘6.0‘ ;7-0 2‘7‘ .=12+=*24-‘3,-9‘,*‘6.0‘02**760‘ ,7 :0*6-‘-0?0, 7 50 03‘2?7/=‘-,:10
-6= 0‘ 0-.=‘ /4,6‘8223=‘-60 :‘7*3‘7 60/*760‘ 07?0-J ;46‘,*‘ +'!#/2' 5‘ ;0-,30-‘6.0‘3, 0/0*50‘,*‘ .7;,6‘6.0
07?0-‘ 7/0‘0+ 7*34 7/‘ 6.0‘-017 -‘7/0‘ :2/0‘2/‘ 0-.‘3,-6,*56‘7*3‘6.0‘-003‘,-‘-2 :06,:0-‘7 ;4 : ,*24-‘
')"'!/'' ‘7/0‘52**05603‘8,6.‘ 9"/8$#/2' ‘6./24+.‘6.0‘+0*4-‘ !#8)'"/#/5‘6.0‘07?0-‘2‘8.,5.‘7/0‘326603‘
6.0‘-67 :0*-‘,*-0/603‘76‘6.0‘;7-0‘2‘6.0‘3,-9‘7*3‘6.0‘0 : ;/=2‘7 ;4 : ,*24-‘J 6.0‘1/,*5,17‘3, 0/0*50‘,-‘6.0
571-4 7/‘ /4,6‘2‘ !#8)'"&#/' <8#"#/2' ‘7/0‘7-2‘52**05603‘8,6.‘ 9"/8$#/2A‘;=‘ :2-6‘2‘6.0‘5.7/7560/-‘
7*3‘7/0‘-57/50 =‘-017/7603‘-7?0‘;=‘6.0,/‘7*6.0/-‘3/4175024-‘ /4,6‘7*3‘7;4*37*6‘7 ;4 :0*‘ ## '"/2#$"
7/0‘7-2‘/0 7603‘62‘6.0 :‘0-105,7 =‘6.0‘+0*4-‘ -"#&5‘7*3‘7/0‘3,-6,*+4,-.03‘;=‘6.0,/‘3/4175024-‘ /4,6‘
C ,*7 =‘7*‘7 ,*,6=C .7-‘;00*‘*26,503‘;=‘ 7*5.2*‘;0680 0*‘ 9"/8$#/2' ‘7*3‘!!-.'"#2#8' 5‘24*303‘2*‘6.0
+7*34 7/‘ 07?0-‘7*3‘ 280/-‘.=12+=*24-‘1067 -‘12 =730 1.24-‘-67 :0*-‘-2 :06,:0-‘ 0-.=‘/4,6‘D‘6# #/5
7*3‘0G7 ;4 : ,*24-‘0 :;/=2‘ .0‘-7 :0‘2;-0/?76,2*‘ .2 3-‘+223‘ 2/‘+-"$/22 5‘7*3‘0-100,7 =‘2/‘6.0
+0*0/7‘8,6.‘ /00‘2?7/,0-‘D "' -/
0‘7 :2-6‘8.2 =C6/21,57‘ -,76,5‘;46‘?7/,14-‘-105,0-‘7/0‘*28‘5. 6,?7603‘,*‘6.0‘87/:‘
/0+,2*-‘2‘;26.‘52*6,*0*6-
.0‘8,30 -1/073‘50 0;/,6=‘2‘6.0‘+0*4-‘ #$"9&' /2:‘6.0‘07/,0-6‘6,:0-‘,-‘ ,/-6=‘340‘62‘6.0
899‘75,3-‘D5,6/,5‘7*3‘:7,5F‘52*67,*03‘,*‘6.0‘50 -‘2‘,6-‘17/0*5.=:7‘8.,5.‘, ‘6.0‘ /4,6J 7*3‘-052*3=‘
62‘6.0‘-8006‘7*3‘14*+0*6‘?2 76,0‘2,‘-05/0603‘;=‘6.0‘+7*3-‘8.,5.‘7;24*3‘,*‘*07/=‘7 ‘17/6-‘2‘6.0
1 7*6‘ .0‘75,3-‘7/0‘4-03‘,*‘32 :0-6,5‘052*2 :=‘7*3‘,*‘ :03,5,*0‘7-‘/0 /0-.,*+‘7 G76,?0‘7*3‘7*6,-016,5‘
‘-:7 ‘>47*6,6=‘2‘6.0‘7/2 :76,5‘1/,*5,1 0‘3,--2 ?03‘,*‘8760/‘;=‘,* 4-,2*‘2‘6.0‘07?0-‘2/‘3,-6, 76,2*‘2‘
6.0‘280/-‘7 2/3-‘7‘-6,:476,*+‘7*6,-17-:23,5‘ .0‘?2 76,0‘2,‘2;67,*03‘;=‘3,-6, 76,2*‘2‘6.0‘280/-‘
7*3‘01,57/1‘,-‘0:1 2=03‘,*‘10/ 4:0/=‘0,6.0/‘:,G03‘8,6.‘76‘7-‘7‘12 :730‘2/‘3,--2 ?03‘,*‘7 52.2‘7-‘6.0
52-:06,5‘9*28*‘7-‘'/9')'' 3!378'
.0‘ /7*+0‘ 4/:,6,66:F‘,-‘4*,?0/-7 =‘-24+.6‘2/‘,6-‘75,3 -8006‘/4,6‘ .0‘0?, 0‘/,/*+0
D ‘23 98#&'.7-‘7‘;,660/‘/4,6‘.46‘,6‘,-‘*26‘0--‘4-0 4 J‘,6-‘07?0-‘7/0‘4-03‘,*‘,*4-,2*-J‘,6-‘280/-‘=,0 3‘
6.0‘3,-6, 03‘8760/‘-2‘:45.‘4-03‘,*‘:03,5,*0‘7*3‘6.0‘?2 76,0‘2,‘57 03‘0--0*50‘2‘0/2,‘ #/2:‘,6-‘
=24*+‘/4,6-‘+76.0/03‘-22*‘760/‘280/,*+‘,-‘3,-6, 03‘7‘0/2,‘2,‘57 03‘0--0*50‘f30‘106,6‘+/7,*#.0
01,57/1‘2‘6.0‘0?, 0‘2/.,660/‘/7*+0‘,-‘4-03‘,*‘6.0‘1/017/76,2*‘2‘7‘3=0‘J,6‘,-‘7-2‘:730‘,*62‘7‘-=/41‘7*3‘7
:7/:7730‘7*3‘,-‘2*0‘2‘6.0‘1/,* ,19‘,*+/03,0*6-‘2‘6.0‘.,+.=‘0-600:03‘,>404/‘4/7527‘ .0‘U 03/76‘#
D ‘ ')F/C‘;07/-‘7/+0‘2;2*+‘/4,6-‘8,6.‘7‘/24+.‘-4/750J 6.0‘/,*3‘=,0 3-‘7‘10/4:0‘;=‘0G1/0--,2*‘2/‘
3,-6, 76,2*‘J 6.0‘,**0/‘/,*3‘,-‘6.,59‘7*3‘ 0-.=‘7*3‘7‘1 07-7*6‘1/0-0/?0‘,-‘1/017/03‘/2:‘,6‘ .0‘0:2*‘
D ‘# ‘.7-‘7*‘2?2,3‘/4,6‘:7:, 760‘76‘6.0‘621‘J,6-‘/,*3‘73.0/0-‘-6/2*+=‘62‘6.0‘?0,=‘75,3‘141‘
.0‘?7/,06=‘2‘6.,-‘-105,0-‘9*28*‘4*30/‘6.0‘*7:0‘2‘ ,6/2*‘d=,0 3-‘6.0‘:03,5,*7‘1/017/76,2*‘57 03‘-=/41‘
2‘0:2*-
.0‘ ,:0‘D ‘ # '!$/‘;07/-‘7‘+2;47/‘;0//=‘8,6.‘:,3‘7*3‘,*-,1,3‘4,50JL‘7*26.0/‘-105,0VP‘
10/.71-‘2*=‘7‘?7/,06=‘2‘6.0‘1/0503,*+‘ '"7/ 3$/5‘1/23450-‘-:7‘1=/,2/:‘/4,6-‘6.0‘141‘2‘8.,5.‘
,-‘75,3‘7*3‘;,660/J ;46‘6.0,/‘/,*3‘,-‘6.,*‘2‘7‘+2 30*=0 28‘7*3‘, 03‘8,6.‘7‘-8006‘0--0*50J 2/:0/=‘
-8006:076-‘57 03‘%'"7/ 3$$'/‘80/0‘:730‘2‘,6J *28‘,6‘,-‘2*=‘4-03‘2/‘6.0‘0G1/0--,2*‘2‘0--0*50‘2‘
0/+7:26‘ .0‘/4,6-‘2‘ ‘ -"$#:3*/‘7*3‘ ')'$#'#3&/5‘1/0-0/?03‘,*‘;/7*3=‘7/0‘57 03‘f .,*2,-‘# ,0
7*+0/,*0‘ /7*+0‘,-‘O0‘9*28*‘2/‘,6-‘1054 ,7/‘-50,,6‘,*-,1,3‘4,50‘7*3‘755,3‘22-0‘/,*3‘ .0‘;0//,0-‘2‘
-2:026.0/‘+0*0/7‘/2:‘ .,*7*3‘!717*‘7/0‘0767;0J 7-‘ #-2 / #&2#$"#:3 /5‘ "#.%/&#/'$"#:3!#/$/5‘#-!''
/" '!3&5‘33%#/'.982$/$/5‘"0

C .,-‘,-‘;0-6‘9*28*‘,*‘ *+7*3‘7-‘6.0‘ ,6/2* B *
.0‘ ,6/2*‘2‘6.0‘ *+,-.‘:7/906-‘,-‘ ‘ ')#2/
Ł .0‘4,50‘2‘6.0‘ ,:0‘,-‘6.0‘67/60-6‘2‘6.0‘+0*4-‘7,,3‘2/:-‘7‘80 9*28*‘,*+/03,0*6‘2‘ 7-+28‘14*5. B *

#!! 1 + A

. - 4 7'8'"/ $@?? 9/ 1 4 7'8'"/ " 1 5)" 9&&#'9

0 / 98 >@= GB*: I 5C*;=9= 0 / 98 GB*: I

0 / 98 4@ 98+ 4* A GB*: I

99= 9 ;+ 89 *;= 4@ A98+ 4* A# ?70 / ; : +79 +9?+*' ?@8B0@;+9= >A *' 489?+ F ' > " / (" 8@ GB*: I F & % *:8*B

C + # #8&'"$')' 38 /' %-.3 7-839&)#&%5 # ,"#2/$' - - J ' 'M9/! /8) /!$'"8/$ <#$% $% . '$/!&5 3')39,! $% 89 ,'"' %) #&$#82$ 3' 23K %'"'8$5 H>3(9!')' o /' 2/ .&9!'5)#(#)K #87 #8$3 2322#' /!,9 #839& 3' '?/!,9 #839& ' 9&9/!!-' &$"/#7%$ O 2'8$')' <33) - 9&9/!!-' 7!/8)9!/">)3$$')5 '?&$#.9!/$' 08 ! 0CC0? +9 08 * +98;*+9# 408 *490@?# @?@* A ? BC 9# ?0B9+ B9? M 0 0 *+9 G .#"/8$%'"/5 [#'"#/5 U4 I# 8*89 A C ; ;*+9 D 3"38#/ 5 @?@* A : *;=@ *8 =0++9=' &$#.9!'& # 08 89C *49=' >A : *;=?' *+' +79 >*?9 0 +79 C9+ 0 9?' o 6 # 08 -98A' 8*89 A BC98 94+' >A ?@CC89?? 0;' D .!'9"9 5 89:@ *8# *5 *8A' 08 +98B ;* # ?0 +*8A# 08 ;' *;' @B>9 # 408AB>' 08 C*; 4 9# 8*89 A ;' *;' 7-0 @ ' 48*+9 4*C +@ @B' B1#.!3!3'8/ ' .' =' 08 C*8+ +9# B>8 4*+9 ;' ?9?+ -*+ 0; 2 ' # ;?98+9=' @;=98 *' 899 08 8*89 A' ?@> C98 :A;0@?' = ?F# B>8 4*+9 ;' *9?+ -*E +0;# @?@* A 899# 8*89 A' 40;;*+9# 08 40;; - ;:' >A' +79 8 = *+9=' >*?9?' ;+0 *' 4A ;E =8 4*' +@>9# *;=' +79;' -* -*+9 ;' *9?+ -*+ 0;' G 3""'/5 ' /$3!'.#&5 U4 I# 08 ' G -!'9 ' - ' ;?98+9=' / +7 +79 C9+* ?# :9;98* A 9R@* # 8*89 A' =0@> 9 ;

;@B>98' G / 79;' +70?9' 0CC0? +9' +79' C9+* ?' *89' BC98 94+# 08' ?708+98' +7*;' +79' 0+798?I' :#!/ '8$&' ?@>@ *+9# @?@* A' 899# 8*89 A' B0;*=9 C70@?' D "# $%"32%#$38 5 08' *=7989;+' +0' +79' C9+* ?' G /!#.'/5 U4 I' /8$%'"& ;+8O8?9# 49 9=#' =08? 59=' ;9*8' +79 8' >*?9' 49 ?' C*8* 9 # 0C9; ;:' 0;: +@= ;* A' 40;;94+ -9' 0 +9;' C80 0;:9=' ;+0' *' : *;=@ *8' *CC9;=*:9' G "3<'/5 "#3&$' 385 %#!3$%'2/5 U4 I' ' M# 8*89 A' H G >' .!'9"9 5 ?9?? 9' 08' >08;9' 0;' *' :A;0C7089# : 8+' / +7' *'= ?F' *+' +79 8' >*?9# 08' >@8 9=' ;' +7 ?' = ?FD' @; +9=' ;+0' *' =99C A 0>9=' 0-*8A# 0>9?' = ?+ ;4+# 40798 ;:' 0; A' >A' +79' ?+A 9?' &$-!'&' *?' B*;A' *?' 0-*8 9?# ?C8 ;: ;:' 80B' +79 8' -9;+8* ' 9=:9# = ?+ ;4+' *+' +79' >*?9# 40;;*+9' *>0-9' &$#7 /5& @; +9=' ;' *' 79*=# 0>9=' 08' M @880 / 9=' ' 0-@ 9?' ' ;' 9*47' 49 # ;?98+9=' *+' +79' B == 9' 0 ' +79' -9;+8* ' ?@+@89# 40 *+98* ' 08' ?@C98 BC0?9=' ' 0 ' M ' 4044 # = ?+ ;4+' 08' 40;;*+9' *+' +79' >*?9# ?99=9=' >A' ?@CC89?? 0;' '.#2/".' =8A# ?@> 408 *490@?# : *;=@ *8 =0++9=' 08' B@8 4*+9' ' '8#!32/".' ? !00+7# 4*8+ *E : ;0@?# 0 +9;' 9 *?+ 4' *;=' -* -9=' ' 0> 0;:' 08' ?@> 89; 08B' ' $'&$/' 4*8+ *: ;0@?# ?B00+>XDG /!,9 '8' # 08' 9?7A' " -! ' @?@* A' ?+8* :7+# 8*89 A' 4@8-9=' G ! '#)/5 .#"/8$%'"/5 U4 I' 23$-!')38&' *+' 08' 48@BC 9=# 9;-9 0C ;:' 9*47' 0+798# 0 *490@?' ;' :98B ;*+ 0;' ' "/)#2!'' @?@* A' ?@C98 08# ?+8* :7+' 08' ; 959=

! ' ' + A

98+ 9' ?+*8*0;?' 9R@*' ;' ;@B>98' / +7' +79' C9+* ?# 0 +9;' * +98;*+ ;:' / +7' *? B*;A' ?+*B ;0=9?# ;?98+9=' >9 0/' +79' 899' 9=:9' 0 ' *' = ?F' /7 47' ;9?' +79' 4* A5' +@>9# *8C9 ?' 0-@ 9=' 9?+*' 408 *490@?' 08' ?@> 48@?+*490@?' ;>8AB' 95* ' >@B ;0@?# ?+8* :7+ 1 9*+7 F9' ?78@>?' / +7' * +98;*+9' 08' 0CC0? +9' ? BC 9' 408 *E 490@?' ?B* ' *;=' B>8 4*+9' 9*-9?# 8*89 A'+899?' / +7' *8:9' 9*-9?' G /!3)'8)"38

' P 7 230*3/2*' P 2 02*0 *7' P 5:730*,7' P 30*7*3/7
P ,2-:7' P +76.2-:7' I 7/ -:7

! ' '

+*B9;?' 7AC0:A;0@?# =0@> 9' ;' ;@B>98' +0' +79' C9+* ?# *;=' * ' 98+ 9# 8*89 A' 9R@*' *;=' C98 :A;0@?' G[#'"#/' % ?F' 899# 9@C@ 08B' 08' *;;@ *8# ?0B9+ B9?' ; ' 40;?C 4@O@?' 9?+*' 48@?+*490@?' >@B9C' 9?7A' B>8A0' ?+8* :7+# 4A ;=8 4 1' 78@>?# 8*89 A' +899?' 9*-9?' ? BC 9' 08' 0 0 *+9' 08' C ;;*+9

' P 2//07' # ,1 2 /2*7' P 0;7,4: X' P /2807
I /,2-60*,2*' P 2/2*,7 Ph,0/,7

! ' ' !$!

0/98?' 0 +9;' 889:@ *8# 4080 *' 0 +9;' +@>@ *8' +*B9;?' # ?0B9' 0 +9;' BC98E 94+# ?0B9+ B9?' 7AC0:A;0@?# ?0B9+ B9?' 40;;*+9# 08' *=;*+9' +0' +79' 4080 *' % ?F' @?@* A' 4@C@ *8' G ! '#)/5 /9)#8#/5 #23"'/5 U4 I# 08' @8490 *+9' G "-$%"32%#$38 5

?0B9+ B9?' 40 @B ;*8' G .#"'/8$ #'"/ 5' 8*89 A' =9C89??9=' G 2)#.'/ 5' 08' ?R@*B 088*#' @; *+98*' G 0/B98BI' *8C9 ?' 0-@ 9='" +9?+*#' 408 *490@?'" 9B>8A0' 95* >@B ;0@?#' 4@8-9="' 23$-!')38& 48@BC 9=#' 40;-0 @+9 1 9*-9?' @?@* A' * +98;*+9#' H M 0 0 *+9

2**,0/,7 7 ,107 P /=6 ,/25 ,,62*' : 0,307' 1,/7*6.0/7

1#3& '/' 57**26' ;0' -017/7603' /2:' 9$/2'2" D-00' 6.,-' 7:, =FJ 6.0' +0*4-' 1#8$/ 8 ' 4*,60-'6.0:' ;=' ,6-',, /0+4 7/' 280/-' -6/7,+.6' 0:;/=2' % 2?4 03' 2?7/,7*' 50 -' 7;4:,*24-' -003' .0/;75024-' -60:' 7*3' ,:17/,1,**760' 07?0-' [/8$%3?-!'2" 7/0' 0>47 =' *07/',*' 6.0,/' /0+4 7/' 280/-' 12 =1067 24-' .=12+=*24-' ,:;/,576' ,-2-60:2*2,,-' 2/' 3,1 2-60:2*24-' 52/2 7' /00' 2/' *07/=' /00' 57/10 -' 8,6.' 2?4 03' 50 -' 2 60*' 0 7-6,5' 0*3257/1' -6/7,+.6' D/7/0 =' 54/?03F' 0:;/=2' 8223='-60:' 7*3' 4-47 =' 10 45,3 32603' -,:1 0' 2/' 52:H 124*3' 7 60/*760' 7*3' 2112-,60' 0G-6,14 760' 07?0-E 6.0=' -57/50 =' 3, 0/' -7?0' ,*' 6.0' 3,5 ,*24-' 280/-' 7*3' /4,6' 1#3 '2'' .7?0' 7 -2' -2:0' 7*7 2+=' 8,6.' # /"9%'/# D&''' 6.,-' 7:, =F'

9)#3& '$& 7 ';0 2*+' 62' 246.' /,57J 3" #'$& 62' 4-6/7 ,7' 7*3' ./"#'2'' 62' 6/21,57' :0/,57' .0' ?2 76, 0' 2,' 7*3' 6.0' 7/2:76,5' /0-,*' 2' ##)#3& ' '7/0' -6,:4 76,*+' 7*3' 7*6,-17-:23,5' 7*3' :7*=' -105,0-' 7/0' 6.4-' 4-03' ;=' 6.0' *76,?0-' 7*3' 52 2*,-6-' 2'6.0' 710' .0' 07?0-' 2' /"3& /' 2"'8/$/' 7 -2' 52*67,*' 7' 1/,*H 5,1 0' D)#3& #8' 5 28,*+' 62' 8.,5.' 6.0=' 7/0' *28' 73:,6603' ,*62' 4/2107*' :03,5,*0' 7-' 3,4/06,5-' 7*3' 3,7H 1.2/06,5-',*' 7 056,2*-' 2'6.0' 9,3*0=' 7*3';7330/',*' /.04:76,-:' 7*3' 0?0*' 5.2 0/7' .0' 1/210/6,0-' 2' 3"38#'2& 7/0' ,66 0' 9*28*J ,*' 4-6/7 ,7'6.0' 07?0-' 2' 3"'' /' 7/0' :730' 4-0' 2' 7-' 607' *' 6.0' ;7/9' 2'-2:0' 9&./"#'''6.0/0' ,-' 7' ;,660/' 7 97 2,3' D/879&$9"#8'' 2/' 29&./"#$#'4 5 4*,603' 8,6.' 7' -2 6' /0-,*' 7*3' 7' ,66 0' ?2 76, 0' 2,' 8.,5.' 1 750-' 6.0:' 7 60/' >4,*,*0' 7:2*+-6' 6.0' :2-6' 0 ,575,24-' 62*,5-' 7*3' 0;/, 4+0-' 552/3,*+' 62' -2:0' 6.,-' ;7/9',-' =,0 303' ;=' 6.0' /!#.'/' 9&./"#/A' 7' 7/+0' 6/00' 2/:,*+' ?7-6' 2/0-6-' 2*' 6.0' ;7*9-' 2'6.0' /,*252' J 7552/3,*+' 62' 26.0/-' ;=' '3::!2#8/!# :' 7' -./4;' 2'6.0' -7:0' 524*6/=' .0' ;7/9' 2' #33"'/':'%"#:97/5' 7' /7M, ,7*' 7*3' 4,7*7' 6/00',-' 7 -2' /052:0*303' *-' 7' -4;-6,6460' 2/' >4,*,*0' .0' 7/2:76,5' 7*3' 75/,3' /226' 2' +388#'"#/' $"#:3!#/55' 7' 1 7*6' 3,-6,*+4,-.03' /2:' ,6-' 8223=' 52*+0*0/-';=',6-' .0/;75024-' -60:' ,-' 1/7,-03',*' :0/,57' 7-' 7' 3,71.2/06,5' 3,4/06,5' 7*3' 7 0G,1;7/:,5

' [5')"' 9&&#'9

G 0 ! '7'8'"/' '$' 2 4' *98$% 1C . ! M' #8)!

" 8 ' "'79!/"5' ('"-' 3:$'8' .3!-7/ 3>)#3'2#39&' 2 ' D(@(?4' # %"#2/$3' 3'" (/!(/$'5' #8&'"$')' /$ $%'" %3&" 3:' /':"'' ')#&%' - ' #8&'"$')' <#$%' $%'" .'$/!&5' 'M9/!' 3'')39,!'" $%' ' #8' 89 ,'"' ')#&$#82$' 3'" 2388/$'5' H>3(9!')' 2 ' /')"9."' 3'' &/ /"/5' 3'" 3:'&'./"/$"')'%#&2'8$' 2322#' $! - ' :!'&%-5' "/"'!-' =' " -& H' /?#!'5' &$"/#7%$' 3'' 29"(') 1 -' <33)5-' ' '?&$#.9!/$'5' 9&9/!!-' 7!/8)9!/">)3$$')

#8:9' 08' ?B ' ' 08' ! 4 @;*8B9=#' +708;A#' 08' *4@ 9*+9' ' * +98;*+9' 08' 0CC0?+9#' 8*89 A' /708 9=' G #$/(#/5' #!32/".9& 5' :9;98* A' C ;;*+9#' 08' BC*8 C ;;*+9#' 0 +9;' H 0 0 *+9' >A' ?@CC89?? 0;' 0' +79' *+98*' 9* 9+?' G[/8$%3?-!9 5' (3)#/5' U4 I#' @?@* A' C9 @4 = =0++9=#' 8*89 A' ? BC 9' D F# #/ 5' C9+ 0 9' ?0B9+ B9?' B*8:;9=' 08' / ;:9=' B[/8$%3?-!9 ' '" &$#.9!'& ' 2 8 ' @?@* A' BC98 94+#' 89:@ *8#' *5 *8A' 08' +98B ;*#' B0?+ A' *88*;:9=' ;' *5 *8A' 4AB9?#' C*;4 9?' 8' 408AB>?#' 8*89 A' ;' 8*49B9?' 08' ?C F9?' D #!32/".9&5' &'8,'2F#/5' -98A' 8*89 A' ?0 +*8A' D &:"3>' .%-!!9 ' .' C98? ?+9;+' 08' =94 =@0@?#' ' ' G8*89 A' M I' C*8+ +9' D[/8$%3?-!9 5' 9?+ -*+ 0;' B>8 4*+9#' 08' 8*89 A' -* -*+9' D+'!/832322/' 2 ' ;?98+9=' *+' +79' >*?9' 0' *' 899' = ?F#' ;' *' 8 ;:' 08' 4@?7 0;#' ?0B9+ B9?' ;40;?C 4@0@?#' B>8 4*+9' 08' -* -*+9' ;

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8C9 ' 4@+' +8@*-98?9 A' *; =' A98+ 4* A' GB*: ,

" ' c 3 6# (TE

-0-6,?76,2*' 305,3424-' /7/0 =' $' G[/8$%3?-!9 ' " 8 ' S'G - ' ,*-0/603' 8,6.' 6.0' 1067 -' 0>47 ' 7*3' 7 60/*760' 2/' 324; 0',*' *4 : ;0/J :#!/ '8$& , , 2/ :' 2/' -4;4 760' /00J /8$%'"& 30;,-5,*+' 2*+,643,*7 =' % ! ' /43,: 0*67/=' -6,1,6760' -2 : 06,: 0-' $' 0 8 ' U'G - ' ' 2/' /43,: 0*67/=',*-0/603' 76' 6.0' ;7-0' 2 ' 6;0' 3,-9 ' -.2/60/' 6.7*' 6;0' 2?7/=' ' 0>47 ' 8,6.' 6;0' 1067 -' 2/' 080/ ' 3,-6,*56 ' 2/' 52**760' 76' 6;0' ;7-0' 2/' 6;/24+;246',*62' 7' -0?0/7 50 03' 2?7/=' J 3(9!'& ' ,*' 075;' 50 ' -410/,: 12-03' 2/' 52 760/7 ' ?0/=' /7/0 =' -2 ,67/=' G %# #/ 5 4-47 =' 7*76/2124-' 2/' -0 : , 7*76/2124-' 0 ' -2 : 06,: 0-' -,: 1 0 ' TBE 50 03 ' 0-;=' G 3))/*/5 2"38-2%#/5 %# #/ 5 2/' /7/0 =' 7' -7 : 7/7' G $'!' /]5 4-47 =' 7' 571-4 0' 210*,*+',*' 30;,-50*6' -.0 -' ;=' 6.0,/',**0/' 03+0' -2 : 06,: 0-' 52 : 124*3' 2/ : 03' 2 ' -0?0/7 ' 3/410-' G+'!/832322/5 =' ' 2/' 571-4 0-' G[/8$%3?-!9 5 3- #/ E '8)3'/".' -2 : 06,: 0-' -017/76,*+' 0 7-6,57 =' ' 10*34H 24-' J $'&$/' 52/,75024-' 2/' 5/4-675024-' 4-47 =' -: 226.' -.,*,*+J /!,9 '8' 0-.=' /7/0 =' ' G #!32/".9&5 &'8,'2%#/5 /&# #"3/ ' " -! /' 7G,0' -6/7,+.6' 2/' -,+.6 =' 54/?03J 23$-!')38& 2?7' 2/' 2; 2*+' 7660*03J "/)#2!'' -.2/60/' 6.7*' 6.0' 526= 032*-' -410/,2/

,

P : :,7' Ph7*6.2G C 4,*' ,67?,7' 2337,7' P' P 60 07' 5/2*=5.,7

[/8$%3?-!'2" 7/0' 7 ,03' 62' 9$/2'W?5 #3& '2" 7*3' # /8#,'$& D-00' 6.0-0' 7 :,,0-F' .0=' 7 -2' 711/275.' 9"&'"/2'/',*' 6.0' 8223=' -60 : ' 10 45,3 326603' 52 : 124*3' 0G-6,14 760' 07?0-' 2 60*' 12 =+7 : 2 3,205,24-' 280/-' -0-6,?76,2*' 2 '6.0' 57 =G' 7*3' 52/2 7' 7**4 7/' 2/' 5414,2/ :' 3,-9' 3,1 2-60* 2*=' 2' /4 03' 2?7/,7*' 50 -' 7*3' 3/4175024-' /4,6' [/8$%3?-!'$ ›' 7 -2' 1/0-0*6' : 2/0' 6.7*' 2*0' 12,*6'2 '7*7 2+=' 8,6.' 8/2/")#/2' /J ;46'6.0=' .7?0' : 2-6'7 ,*,6=' 8,6.' < /8##/2' /5-2' : 45.' -2' 6.76'7' F# #/' .7-' ;00*' 30-5/,;03' 7-' 7' -105,0-' 2 ' # 38#/

[/8$%3?-!' /# ,*.7;,6' 6.0' 6/21,57' /0+,2*-' 2 ' -,7' 7*3' 0-105,7 =' 2 ' : 0/,57'E 6.0=' 7/0' 0--' *4 : 0/2,8' ,*' 0G6/7 6/21,57' : 0/,57' 246.' /,57' 7*3' 4-6/7 ,7' [#$%3?-% ' ;0 2*+-' 62' 6.0' 6/21,57' M2*0' 2 ' ;26.' 82/ 3-J F# #/' 62' !717*' 7*3' 6.0' ,: 7 7=7-J 3))/!#/' 62' 6/21,57' -,7' 7*3' /,57J $'!' /' $3' 2/6.' : 0/,57' 4-6/7 ,7' 12--0--0-' 6.0' +0*0/7' 2"38-2%#/5 '8$/2'"/&5 +')#23/ /5 "5' 44

2 : 0' -105,0-' 2 '6.,-' 7 : ,=' 7/0' : 03,5,*7 J 6.0' ;7/9' ' [/8$%3?-F #5 7*3' 0-105,7 =' 6.76' 2 '6.0' /226' 52*67,*-' 7' ;,660/' 5/=-67 ,M7; 0' 1/,*5,1 0' GJ/8$%3.#/4#$' 5 7*' 75/,3' /0-,*' 7*3' 7' =0 28' 52 24/,*+' : 7660/' .0' 7/2 : 76,5' /226' 2 ' [' 8#$#)9 ',-' 5 7--03' ,*' .,*7' 7 : 2*+-6' -432/,,5-' 0 : : 0*7+2+40-' 7*3' 0;/,4+0-J 6.0' 07?0-' 52*67,*' 7' ,66 0' 2 76,0' 2,' 8.0*50' 6.0=' 7/0' 4-03' 7-' 7' 52*3,,*0*6' [' 9)" 7/' ,*' *3,7' ,-' -,:,7/ =' 0 : 1 2=03' [' '$%&/' +/28-' 2*' 6.0' *3,7*' : 24*67,*-J ,6-' =24*+' /4,6-' .7?0' 6.0' 67-60' 2 '2/7*+0' /,*3' 7*3' ,6-' -003-' 6.76' 2 ' ; 759' 10110/' .0' 571-4 0-' 2 ' [' .#.'"#$98#5 7 ' 17/6-' 2 ' 8.,5.' .7?0' 7*' 75/,3' 7/2 : 7' 7 2/3' 6.0' !717*' 10110/' 2 '52 : : 0/50' .0' ;7/9' 2 ' [':"//)8'9 5 7' *76,?0' 2 ' 2/6.' : 0/,57' ,-' 7' /014603' 3,4/06,5' 7*3' -432/,,5J ,6',-' 7 -2' 5.0803' 62' 0G5,60' -7 ,?76,2*' 7*3' 62' 7 0?,760' 6226.75.0' [' $'"> 8/$$ #<3 ' !/(/> '"29!#&&?3'-,:,7/ =' 4-03J 6.0=' 7/0' O 0-6' *3,7*' -./4;-' 8.,5.'=,0 3' 7'=0 28' 3=0J 6.0,/' .7/9',-' /0+7/303' 7-' 7*6,-/1.,,6,2' 7*3' 6.0,/';,660/' 7-6/,*+0*6' 07?0-' 7-' 7' ?4 *0/7/=' ,*7 =' 6.0' -003-' 2 ' -2 : 0' -105,0-' 7/0' 0 : 1 2=03' 62' 12,-2*' ,-.' $'!' /' $"#:3!#/$/5 52 : : 2* =' 57 03' ./00 07?03' 2/' 7 : 7/,7*' : ' ,-' 7-: 7 ' 7/2,*' 76/00' 54 6,?7603',*' 4/210J,6-' 07?0-' 7/0' 52*-,30/03',*' 2/6.' : 0/,57' 7-' 7' ?0/ : ,4+0 7*3' 3060/+0*6 2/' 4 50/-' 6-' ;,660/' 7/2 : 76,5' 571-4 0-' 7/0' 7' -4;-6,6460' 2/' .21-',*' ;/08,*+J .46'6.,-' -4;-6,64H 6,2*',-' *26' 8,6.246',6-',*52*?0*,0*50-' 3))/!#/' /2#)'/$/5 7' -./4;' 2 ' 6/21,57' -,7' 7 ' 17/6-' 2 ' 8.,5.' 52*67,*' 7*' 7/2 : 76,5' ;,660/' 75/,3' 1/,*5,1 0',-' 4-03' ;=' 6.0' *76,?0-' 2 '6.0' *3,7*' /5.,10 7+2' 7-' 7' -62 : 75.,5' 7 0;/,4+0' 7*3' 7-' -07-2*,*+' 2/' 223

M1% = ; K 5% (T'

1 1(*8C9 4@
% *:8*B -98+ 4* A'GB*: I

" 98+ 4* ?94+ 0; 0 0/98 ;=8094 @B'*;=' " 98+ 4* ?94+ 0; 0
GB*: I C ?+ 4*8C9 GB*:#I

(99=# 9;+ 89'*;=' 4@>' -98+ 4* A'GB*: I
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" 8 !)#2!#839& 3" .3!-7/ 39& 2 ?(D4 "/"'!-$ %-.37-839&5 # ,"#2/$' 3" (/!(/$' - #8&'"$')/$ $%" ,/&" 3:/ %-.37-839&)#&F5 /& /8-3" $<#2" /& /8-/& $%" .'$/!&5 "/"'!- 22 H>,5:"''5 3" 2388/$" #8$3 /)''.!->!3,')E 2'!!')3(/"- % 9&9/!!-&3!#$/"-#8 '/2% 2'!! 2 /)"9.'52/.&9!" 3" &/ /"/ .'8)9!39&5 /!,9 #839& 3" 83$ " - ! &$"/#7%$ 3" ,'8$ 1 -<33)- 9&9/!!-/!$'"8/$' /8).#88/$'5 83$)3$$')
! '2/ -50*6 0--' 'J ;7/9 2 60*' ;,660/' -2 : 06, : 0-0G6/0 : 0 =-2' 7 60/*760' 2/ /7/0 =' 2112-,60 G "98'!!#/5 8'3"#)#9 5 1,**760' /7/0 =' (2 ,2 760

G /""#&38#/5 "98'! / 5 08 0 0 *+9 G /!/8#$'& 5 08 ? BC 9 G 8'3"9 5 /&$'!/5
39!/ '/5 U4 I# ;0+ =0++9=# -98A 8*89 A ?+ C@ *+9 G "98'!!#/5 "(#8-#/5 /)'!!#/
* = 4 ;0@?' 08 C0 A:*B0@?# 89:@ *8# @?@* A *5 *8A# C*; 4 9= 08 8*49B9=# 08
8*89 A +79 6 ; *?C F9# +79 ?0 +*8A G #'"3)'8)"38 .' M 0>9= 08 C*8+ +9#
89:@ *8# -98A 8*89 A ?@> > *> *+9 D /883/ 5?9?+ -*+ 0; B>8 4*+9 08 -* -*+9 2
M # -98A 8*89 A G "98'!!#/5 /"3"#/ 5 899# 08 -98A 8*89 A 40;; -9; +0 *+@>9
GD 9/&&#/ 5 7AC0:A;0@?' *9?+ -*+ 0; B>8 4*+9# -* -*+9 08 40;+08+9= 1' *;;@ *8#
4@C@ 08B 08 +@B =# 9;+ 89 08 0>9=# ?0B9+ B9?' 9 0;:*+9= ;+0 *+ 40 @B; G 9/&&#/5
8'3"9 5 8*89 A ;40;?C 4@0@?' G 9"#/8/5 #2"3!' 8 5 08 GA./$%'!#/5 9"-23 /5
/)'!!#/ - ;?98+9= *+ +79 >*?9 0 +79 = ?F# =0@> 9 +79 ;@B>98 0 +79
C9+* ?# 08 9R@* *;= * +98;*+9# -98A 8*89 A 0CC0? +9 +0 +$ 9 C9+* ?' G #2"3!' /5
#2"/ 8#/ 5 -98A 8*89 A B089 +7*; H G+ /88#/ É :#!/ '8$& 899# ;*F9= 08 B089 0 +9;
7* 8A# 08 @8; ?79= / +7 *+ ?4* 9 *+ +796>*?9' /8$%'"& 0> 0;:# @?@* A ;+8O8?9# 49 9=# =97 ?49;49 0;: +@= ;* # 8*89 A?0 +*8A G 8'3"#)#9 5 /"3"#/ 5
40BC 9+9 A 899 G "98'!!#/5 9"#/8/ 5 08 40;;*+9 *+ +79 >*?9 0; A# 08 40798 ;:>A +79
?+A 9?' 0; A# 08 40BC 9+9 A @; +9= ;+0 *+ 99 9= 0-*8A ' &$-!'& # 899 *+ +79 >*?9
*;=+0C ' &$#7 /& 899 08 40798 ;: ;' *+ 79*= ' 3(9!'& @?@* A?0 +*8A ;' 9*47 49 #
?0B9+ B9?' :9B ;*+9# -98A 8*89 A ' D1#2$-3!3 / 5 08 ' G*#'%'"!#8#/ 5 59= +0 +79
;;98*;: 9 0 +79 49 # *;*+80C0@?# 8*C79 -9;+8* ' *;=' B 480CA 9 ?@C98 08# -98A 8*89 A
*?49;= ;:' / +7 *+ =08?* ' 8*C79 *;=' ; 98 08 B 480CA 9 G 8'3"#)#9 ' o ' @?@* A
0 ' 9?7A 08 =8A =8@C9?# 8*89 A 0 ' -* -9= 4*C?@ 9?' G1#2$-3!3 /5 "98'!!#/ 5 08 ;=9 '
7 ?49;+ G 39!/ '/ 5 -98A 8*89 A 0 ' ?*B*8*?' G #!/8$9& ' C9;=@ 0@?# @?@* A
?0 +*8A ' 9?+*' B9B>8*;0@?' /!,9 '8 @?@* A ' 08 ?4*;+A# 8*89 A 40C 0@?' G 8'3"9 5
"9''/5 "98'!!#/5 ./$%'!#/ ' " - ! ' ?+8* :7+ 08 8*89 A 4@8-9= G 8'3"9 É 9"#/8/5
1#2$-3!3 /' É 23$-!')38& C*;0 40;-95# 08 *+# 8*89 A 40 9= 08 0 =9= G /""#&38#/5
/)'!!#/ " "/)#2!'' ?@C98 08

0 ! ' ' 1 + 1 '

*8C9 ?' 899 08 ;9*8 A ?0

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Pk47--,7'	,*,7;7'	7**27'	,,,,7/4;7	P , 7*64-'
7/2730/7	7-60 7	*02/,, :	/4507	/,*0/7'
, = 2 : 7	,56=2 2 : 7	730 ,7	4/,7*7	/4*0 ,7

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*8C9 ?'@; +9= ;+0 *;0; 0>9= 0-*8A# ' 1H 49 9=

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/?,*+,7' 7//,-2*,7 7 7*,60-' 176.0,7' ,5/7:*,7' ,0/230*3/2*

.0 7:, =' 2 ' # /"9%'2&5 7-' /052*-6,64603' ;=' 0*6;7:' 7*3' 2290/' , ' 7*3' 7*2;2*' 2* =' 3, 0/-'
/2:' 9$/2'"&5 1#3& '" 5 [/8$%3?-!'2'5 7*3' '&.'"#)'2'' ,*' ,6-' 0+0 7*34 7/' 07?0-' 2 60*' ;,660/' ;7/9' 7*3'
,7:0*6-' 4-47 =' 4/*,-.03' 8,6.' 7' -57 0J 5.7/7560/-' 8.,5.' 7 6.24+.' *26' 2 ' 7' .,+.' ,*6/,*-,5' ?7 40

*764/7 =52**056 6.0 +0*0/7 2 # /"9%'2 5 7*3 5 07/ =3,-6,*+4,-.6.0 : /2 :'6.0 7;2?0 *7 : 03 7 *,,0-.0 7 ,*,6=,-0-5 2-0 8,6.[-73.% !F2&D-00 6.,- 7 : , =F .0=71107/-2 : 08.76 *07/0/62 2%8/2'''D8.,5.-00F

/8#%' : 2-6 =+/28',*6.0 62//,3M2*0 9/&&#/5 # /%/5 # /"9!/5 /&$'!/5 #2"/ 8#/5 "5 ;0 2*+ 62 6/21,57 : 0/,57 J /883/5 / /)'"/5 "92'/5 /!/8#$'&5 62 6/21,57 /,57J6.0 6./00 7660/7 -2,*.7;,6 -,7 7- 80 '*- #'"/& /*7*3 #!/8$9&' 9"#/8/',- 24*3 2*' -07 527-6-6./24+.246 6.0,*60/6/21,57 M2*0 39!/ 2/5 9"-23 /5 7*3 !/""#&38#/5 7/0 *76,?0-2 6.0 7 7=7*5 /5.,10 7+2 7*3 75, ,5 - 7*3-J6.0 7660/ 7 -2 +/28-,* 4-6/7 ,7 7-320- /)' #/' 8'3"9 ,*.7;,6-6.0 03,60//7*07*' /0+,2* 7*3 6.0 7*7/,0-

7*=1 7*6-;0 2*+,*+62 6.0 +0*0/7 2 6.0 ,/-6 6/,;0 G 9/&&#/5 # /%/5 # /8#,/ 52*67,*7 1054 ,7 1/,*5,1 0 0G6/0 : 0 =;,660/,*52 : ;,*76,2* 8,6.-7 6-7 7 /0-,*24-5 : 7660/ 7*3 7 - : 7 >47*6,6=2 ?2 76, 0 2, 8.,5.+,?0-6.0 : 62*,5 1/210/6,0-7*3 /0*30/-6.0 : ?0/=3,+0-6,?0 9/&&#/ / /"/ 25541,0-5 6.0 ,/-6 /7*9 7 : 2*+-6 ;,660/ : 03,5,*0- .0 ;7/9 2 6.0 /226 7*3 6/4*9 2 # /"9%/ 79#/"$'8&#&7*3 / /"/ =,0 3-6.0 , :7/4.7 2 6.0 3/4++,-6 6.0 ?,/640-2 8.,5./,?7 6.2-0 2 k47--,7 ('"&#23!3" ,-: 45./0*28*03 7 : 2*+ 6.0 /7M, ,7*-8.2 711 =7 305256,2* 2 ,6-;7/9 7*3 07?0-62 -*790 ;,60-7*3 -=1.,,6,5 0G7*6.0 : 7 .0 # /,/&2 4,7*7 7*3 /7M, 7*3 6.0 / /) >/&2 *3,7 7/0 7 UZ 0G6/0 : 0 =;,660/ 7*3 12--0--,:,7/1/210/6,0- .0 ,**0/;7/9 2 "92'/ /8$#)-&'8$'"#2/5 7* ;=--,*,7*-./4;,-/0+7/303 7- 7* 73:,/7;0 : 03,5,*0 ,* 57-0- 2 3=-0*60/= 7*3 2;-6,*760 ,*60/:,660*6 0?0/Q /$"/8/5 8.,5. +/28- ,* 6.0 2 4557-7*3 *3,7 12--0--0-6.0 -7 : 0 1/210/6,0- #!/8$9&7!/8)9!3&/5 7 *76,?0 2 .,*7 7*3 *764/7 ,M03 ,* 6.0 60 : 10/760 17/6-2 4/210',- 52 : : 2* =57 03 !717*' ?7/*,-.'7 *7 : 0 8.,5.10/1064760-7* 0//2/ D-00 '"',#8$%/2'2'5 1 (<(F YT /!/8#$'& D&7-.$#/2/5 7 -1,*24-5 -./4;2 =/,7 /7;,7 7*3) 2/6.-/,57;07/-3/410-8.,5.7/0 75/,3';,660/ 7*3 14/+76,?0 8.0*' =24*+';46 03,;0 8.0*' = 6--003-=,0 3 7 766=2,'6.0 J/2%98 2'6.0 /7;- B :

! A5 1 T

G 4 # 1 1 !/82%385 '8$!#5 '$ 33F5 :#!

\> 2 /& /8-3"$#32"/& /8-5 - 1)39,!"3"9!$#.!"$%"89 ,'"3:$%".'$/!&E /8$%'"&)'%#&2#87 /$%"$3. 1 3'3" 3"'5 98#$')/$%" ,/&" ,-$%"7-83,/&#2&$-!'5 N (9!')':#'&%-$! P-!1'&2/8$-3"1 -$(33)-/!$'"8/$'5&$#.9!/$'

! 08 / +7 /*+98A D@ 49 * +98;*+9# ?+ C@ *+9# :*>80@?# ? BC 9# 08 -98A 8*89 A C ;*+9 D 3)3-/5 408 *490@?# ?7 ;;:# 0 +9;+00+79=# B*8:;?0B9+ B9?+7 4F9;9=# B =8 >?+80;:# +79 *+98* ;98-9?4 0?9# C*8* 9 O 8 @?@* A C*;4 9=# 8*89 A *5 *8A*;=?0 +*8A# 08 *?4 4 9= # 899# B>8 E 4*+9# -98A 0 +9;?4*8 0@?# 40;4*-9*;=?+8 *+9 :2 7AC0:A;0@?# #8*89 A M 08 H D 2%8/5 899# 0;98+7*;+79 4* A5# =94 =@0@?# ?C89*=;:# 9?+ -*+ 0;B>8 4*+9 08 40;+08+9= 1 9 0;:+;:* +98 0/98;:# ;9-98*;@ *8 ;08 :*;=@ *8# 0 +9; ;40;?C 4@0@?# 08 &$/ #83)'& H M ?98 *+9# *440BC*;A;: +79 ?+*B9;? ;?0B9 :9;98* G /!!/2'/5 3'2#!/8)"/5 !/5&$' /8$%9& - ;?98+9= *+ +79 >*?9 08 +0C 0 +79 +08@?# 08 08 H 08 22 9894+# 9R@* 08 @;9R@* # @; *+98* 08 =94 ;*+9 :#!/ '8$& 899# ?708+# C98? ?+9;+ /8$%'"& ;9*8 9 0;:*+9# 7*? 59=# 49 ?+8* :7 08 95;0@?# @?@* A 0C9; ;:>A+98B ;* C089? % 49;+8* 08 9549;+8 4# ?708 *;=99C A H 0>9=# 08 9 0;:*+9= *;= H 49 9=# 8*89 A H 49 9=# / +7 M C*8 9+* C *49;+*? G /!!/2'/ &$-!'' 49;+8* # :A;0>*? 4# ? BC 9# ?@>@ *+9# ?7*8C# ?+8* :7 08 4@8-9=# 8*89 A = - =9= ;* *? B*;A >8*;479? *? 4*8C9 ? D 2%8/ &$#7 /

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?+ ' * : =' = ?F'
GB*': I

;+798' / +7' ?B00+7
49 ?'GB@: I

*8C9 #?70 / : :'+79'
9+A *8A' ?4*8'
GB*: I

" 98+ 4* '?94+ 0;' 0
4*8C9 ' * ; =' ?99='
GB*: I

" 98+ 4* '?94+ 0;' 0 '0-*8A'
GB*+ I

8@ +#?70 / ; :'+79' : A; 0>*? 4'
?+A 9'GB*: I

5
K *:8*B

=
5
;+798#' / +7' 95@O@?
49 ?GB*: I

-, : 1 0' 60/ : ,*7 J 3(9!'& -2 ,67/=',*' 075 ' 50 ' G 2%8/5) 4. %#/5 "5F'2/' +0 : ,*760'G 9>' $%' #& 5 2/' *4 : 0/2*-' G 9?' ,98 #/5 3)3-/5 "5F' 7-50*3,*+' /7/0 =' 10*34 24-' /71. 0' ?0*6/7 ' 7*3' : ,5/21= 0' -410/,2/' " ' 2 ' ($' -00303' 3/410-' 8 . 2/ 03' 27,' 6. 0' 0* 7/+03' +=*21. 2/0' G 2%8/5 3 .%#/5 "5F' 2/' T % 2 ; 03 ' % -00303 ' 52/,75024-' ,*30. ,-50*6' G !(/&#/ 5 2/' 0-. =' 8 ,6. ' E' *454 0-' G 9$%' #& 5 2/' 7' 50 03' 571-4 0' 52/,75024-' G 9?'8#,9"7#/ 5 2/' 8223=' T E 50 03 ' 7*3' -016,5,37 ' G 3)3-/5 2'2#!/8)"/5 "5F' ' 8 ,6. ' 0-. =' 7 ; 4 : 0*' G 9?' ,9"7#/5 2'2#!/8)"/5 A&. ')'&#/5 9$%' #&5 "5F' 2/' 0G7 ; 4 : ,*24-' G 2%8/5 3 .%#/5 !(/&#/5 "5F J $'&$/' 4-47 =' : 0 : ; /7*24-' -2 : 06, : 0-' 8 ,*+03' 2/' : 7/+,*03' G 9?' ,9"7#/5 3'2#!/8)"/ ' " ! ' 7/+0' -4 ; ' 5=,*3/,5' -6/7,+. 6' 2/' ?0/=' /7/0 =' 54/?03' G "/2F'8"#)7' / E 23$-!')38& 1 7*2 52*?0G' G 2%8/5 3 .%#/5 "5F 2/' ,*07/' G 9?' ,9"7#/5 2'2#!/8)"/5 =2 E "/)#2!'5 ,* 0/,2/' 2/' -410/,2/

5. *7' 2 : 1. ,7' 46. 0 : ,- 4G0 : ; 4/+,7
232=7' 7-60 : 7*6. ,,-' O7 7507 5 5, 7*3/7

b 80B' 9 ; +7*B' * ; =' 00F98.?' 2 9 ; 98*' *; +*8@B' .) 1

! ' ' % K 1 -*8A' H 49 9=# 49 ?' H 0-@ 9=' 99=?' 95* >@B ; 0@?' 2%8/5 3 .%#/5 "/3!2'8"#)7'/5 !(/&#/5 '$"/ '"#&$/

! ' ' " &2 K 1 -*8A' ; 40BC 9+9 A' 49 9=# 49 ?' 0-@ 9=' 988A' / +7' ' CA89 ; 9?' 99=?' * >@B ; 0@?' 9$%' #&

! ' ' . -! / K 1 -*8A' 9549 ; +8 4# T < 2/' 49 9=# 0 -' 22 0-@ 9=' *CE ?@ 9' B*; A ?99=9=' 99=?' * >@B ; 0@?' 9?' ,#2"7#/5 !/&$' /8$%9&5 3)3-/5 '&. ')'&#/5 /!!/2'/5 2'2#!/8)"/ 1 " :

2%8/2'2'5 8 . ,5. ' 7/0' *07/' 9$/2'/5 #3& '2&5 713' [/8$%3?-!'$'5 7/0' -017/7603' /2 : ' 6. 0 : ' ; =' 6. 0, /' ,6,1,, 76 ,' *26' 326603' 07?0-' *Z0,6. 0/' 7**4 7/' *2/' + 7*34 7/' 3,-9 75460' +?*2 ; 7-,5' -6= 0' 7*3' *0?0/' /00' 57/+ , 7 B . 0=' 3, 0/' /2 : ' # /"9, '2&,*' 6. 0,/ ,- ' 7 : 6-' 8,6. 5 : 6' -57 0-' 7*6. 0/-' 10*,*+' ; =' 60/ : ,*7' 12/0-' 7*3' -6= 0' 4*3,?,303' 76' 6. 0' ; 7-0

2%8/2'2" 7/0' 3,-10/-03' 2?0/' 7 ' 6/21,57' /0+,2*-J 6. 0' 571-4 7/ /4,603' +0*0/7' 7/0' : 0/,57*' 6. 0' 3/4175024-' -,76,5' 7*3' 246. ' /,57*' 2%8/2'2" 7/0' ; ,660/' ,90' # /"9%'2'5 ; 46' 6. 0,/' ; ,660/*0--' ,-' 60 : 10/03' ; =' 7*' 7-6/,*+0*6' 1/,*5,1 0' . 0' 7/2 : 76,5' /226' 7*3' 6. 0' 07?0-'2 ' 3 .%#/' /879&$#:3!#/5 7*' *3,7*' 6/00' 7/0' 0 : 1 2=03' 7-' 62*,5-' 7*3' -62 : 75. ,5L ' . 0' ; 7/9' 2 ' ' %'?/&. '" /5 7' /7M, ,7*' -. /4 ; ' ,-' 7-6/,*+0*6' 7*3' ?0/=' 4-0 4 ! *, ,0 +7,7* 5+/-' 574-03' ; =' 6. 0' -6,*+-' 2 Z ,0-' . 0' ; 0//,0-' 2 ' /%3$/. #$/5 7' 6/00' 2 ' 6. 0' *6, 0-' 7*3' /7M, ' 7/0' 03, ; 0 ' ,90' 6. 2-0' 2 ' 6. 0' , ; 0//=' JA,6-' -003-' 7/0' 2, =

A5A' *98$%

L ' 2/' ! 4' 2 60*' 2 6=' 7 ; 24*3,*+' ,*' /0-,*24-' 2/' 2, =' -05/06,2*-' ' 7 60/*760' ?0/=' /7/0 =' 2112-,60' 0G-6,1* 760' (' D/7/0 =' F' 2 ,2 760' /' , : 17/,1,**760' J !'/:!'$& /7/0 =' 10 *5, 32660 3' 6. 0' 280-6' 17,/' -2 : 06, : 0-' -6,14 , 2/62' 0 8 ' D ' 2 60*' - : 7 ' /700 : 03' 2/' 17*,5 03' /0+4 7/' .' (E ,3' 2/' 17/6,60' , : ; /,5760' 2/' ?7 ?760' ,*' ; ,,3' 2 ' (' 62' E' 0/056' 2/' -1/073,*+' /00' 2/' /7/0 =' 521*760' 305,3424-' , : ; /,5760' 2/' ?7 ?760' ,*' . 43' " . ' 7**4 7/' 2/' 5414 7/' /7/0 =' 2 ; -2 060' /00' 2/' 73*760' 62

I . ,-' 2/30/' ,-' *26' 30-5/, ; 03' ,*' 6. 0' 2/,+,*7 ' ; 46 ,-' 7*3' 3,-12-,6,2*' 2 ' 6. 0' +0*0/7' 7/0' 6790*' /2 : ' 0*6. 7 : ' : 0*6,2*03' 7-' 7*' 7 =' 2 ' H4' "' ', #8$%/2' ?' 6. 0' 5. 7/7560/- 7*3' 2290/#-' I 0*0/7' 7*67/4 : #B %

MM " ' ! $]

+79' 4* A5 +@>9 ' - ' @?@* A'+ / 49'*?' B*;A'*?'+79'C9+* ?#8*89 A'*?' B*;A# ;?98+9='
*+'+79' B*8: ;' 08' >*?9' 0 '+79' = ?F# 9R@*' 08' @;9R@* # 08'+79'* +98;*+9' 0;:98'
899# ;*F9=# ?@>@ *+9# ?+*B ;0=9?' ' /8$%'"& 0> 0;:' 08' ?@>: 0>0?9# 0 +9;' -98?*+ 9'
- ' 899# +8 :0;0@?# 0-0 =' 08' : 0>0?9# 49 9=# @?@* A'40;+8*4+9=' ;+0'+79' ?708#'
?+A 9' ' &$#7 /';@;= - =9=' 08' 0>9=E 3(9!'& ' G8*89 A' HI' ;' 9*47' 49 # @?@* A' 40E
+98' *;=' C9;=@ 0@?' 80B' +79'+0C' 0 '+79' 49 # 8*89 A' *?49;= ;:' ' B 480 IA 9' ?@C98 08'
*;=' 8*C79' -9;+8* ' o ' *' =8@C9# ;=97 ?49;+# / +7' ' CA89;9?# 08' / +7' *' >0;A'
08'+7 ;'9;=04*8C# 08' *' 4*C?@ 9' / +7'+79' 9C 4*8C' =97 ?4 ;:' *;=' 95C0? ;:' >0;A' 4044 #
/ 7 47' *89' 40;;*+9# *;=' ?9C*8*+9' 80B' *' 49;+8*' 40 @B;' ' C9;=@ 0@?# +9?+*'
B9B>8*;0@?# * >@B9;' ' 23$-!')38&' @?@* A' B9B>8*;0@?# 90;+08+@ I 9*+9# 8*89 A'
C*;0 40;-95' 08'+7 4F'D "/)#2!'' ?@C98 08

! ' ' & 1 -*8A' 49 9=
/' * A5' 899' 9+* ?' 899' %8@C9' / +7' *' -* -*+9' 9C 4*8C' *;=' M ?9D *8*> 9'
CA89;9?' 3&<'!!#/5 "#38' /
,' * A5' 899' 9+* ?' 899' %8@C9' / +7' *' -* -*+9' 9C 4*8C' *;=' M 40;;*+9'
CA89;9?
,' +*B9;?' N H ' , ,' +*B9;?'
/"97/' /!&/ 3)'8)"38' #!#2#9
"3$#9 ' 9"&'"/' /83 .!#-!!9
/8/"#9 ' /8:'"#/5 U4' Y 3$%3."3$ 5
2' * A5' 899' 080 *' :*D;0C9+* 0@?' "/$$#8#2%#/5 ')<#7#/5
)' * A5' *=;*+9'+0'+79' 0-*8A' /""-3)'&

! ' ' $ - ! 1 -*8A' H 49 9=' -"#&5 ' ."#2%#/5 1 " :

$#"&'#4:#2'2'5 8 2-0' 5 2-0' 7 ,*,6=' 62' '"'%#8$%/)'/# 80' ;7/0' *26,503' 7*3' 62' 8.,5.' .7-' ;00*' 7**0G03'
6.0'+0*4-' -"#&' D8.,5.' 2*=' 3, 0/-',*',6-' 2*0 D!0 03' 2?7/=' 7*3'+0*0/7 =' 2112-,60' 07?0-F',0 3'-12*H
67*024-=' 2/';=',*5,-,2*' 2'6.0,/'-60:-';7-7:,5' /0-,*24-5-4;-67*50-' 0:1 2=03',*' :03,5,*0' .0',*50*-0'
57 03' ,;7*4:',-' 7' /0-,*' 2';--7:,0'2324/'7*3'-6,:4 76,*+'1/210/6,0-' 2;67,*03' /2:' 3&$('!*8'$%9"#:'"/5'
7*' *3,7*' 6/00J 6.0' /7;,7*',*50*-0',-'6.0'1/23456' 2'2*0'2/':2/0'7 ,03'-105,0-' .0'/0-,*' 0:,'2'
0=2*'8.,5.',-'=0 28'7*3'2'7'10*06/76,*+'2324/',-'4/*,-.03';=' "#9 '23 98'5'7*3'6.0'!7?7*0-0'
0:,';=' 9"&'"/'-9 #:'"/' .0' 0G,57*' 0:,'22:0[' /2:' !/.%"#9 '!' #:'"9 ' .0' 7:'2'
0557'2/' ,073',-'7'-8006'-:0 ,*+'64/10*6,*0'2;67,*03';=',*5,-,2*' /2:'682'-105,0-'2'6.0'+0*4-' /!'
&/ 3)'8)"38'*76,?0-'2' /7;,7' 30 ,4:'7'+4:/0-,*'2'7'-8006'-:0'7*3';,660/'67-60'4-03'0G60/*7 ='
:03,5,*7 ='52:0-' /2:' '/:"#2/89 ' G!!'9)'!3$#/':"#3/8) ' 4++4/',-' 4/*,-.03';=' ' +9F9!5'7'6/00'
2'6.0'1/2?,*50'2' 5,*30',*' *3,7' .0' 7 7'G ' * /:/!'76 3' ' .3,/!&/ 98#'1/23450-'+4:'7*3'/03'
7/2:76,5'8223'8.,5.'7/0'6.0'2;056-'2'52*-,30/7;0'52:*0/50',*' /7;,7' =//.'7'+4,,/ /0-,*'8.2-0'
4-0'7-'7*'7/2:76,5'7*3' :03,57:0*6'+20-'759'62'6.0'.,+.0-6'7*6,>4,6=',-' 4/*,-.03';=' ' +-""%/5'7'
6/00'2' /7;,7'7*3' ;=--,*,7' _ ' 3?%9"7!)#=,0 3-'6.0' 2+4';7-7:'2' 0*+7 S')'/'79#/8'8&#&5
7' 4,7*7'6/00'52:: 2*='57 03' *50*-0 8223':,0 3-'7' /0-,*' 4-03'-,:,7/='62',;744:' '/!$#&&# /'
+,?0-'6.0' 7/7*7'+4:'8.,5.'6790-'6.0'1 750'2' 7.*'2', 073',*' :0/,57' .0'/0-,*' .,;24'2/' 7'
5.,;2*'52:0-' /2:'6.0' :0/,57*' 4:6/00'DA 9"&'"/'798" #:'"/4 5 8.,5.'+/28-' /2:' 4,7*7'62' 0G,52'
B -"#&'%/%/ #:'"/',0 3-'6.0'!7:7,57' ,+*4:' .23,4: B %U
')#)7#/',/!&/ #:'"/',-'7'6/00'2'6.0' *6,0-',0 3,*+',*'7;4*37*50'7'/0-,*'57 03' U 74:0'7'
520;2*#;0574-0'6.0'8,3'1,+-'8.0*'824*303';=' .4*60/-'1,0/50',6',-'-7,3'6.0'.7/9'8,6.'6.0,/'64-9-'62'
/4.'6.0,/'824*3-'8,6.'6.0';7-7:,5'4,50'8.,5.'0G430-' _ 757:7.7>',-'6.0'/0-,*'2' !/.%" '$3 '##3>'
&9 ' 9"&'"/'/!$#&&# /',-'7'?0/=' 2 6=' :0/,57*'6/00'2'58.2-0'7/2:76,5'8223'57*20-'2/6=682'006'2*+'
.7?0';00*':730' 7*=' -105,0-'2' /8/"#$/@#7/0'?0/=' 2 =' *3,7*' 2/0-6 6/00-'7;24*3,*+',*' /0-,*24-

;7 -7 : -J 6 . 76 2 ['-#/8#2/ ,-4-03 2/ 62/5 . 0- ,* 0= 2* . 0 2, 0G1/0-03 /2 : 6 . 0 *46- 2 23 K
98'' ,-4-03 2/ 7 : 1- 7*3 7- 223 . 46 , 0760* /0- . ; /, *+- 2* 3,7// . 207J ,6- . 7/9 ,- -7,3 62 =,0 3 7
14*+0*6 60/0 . ,*6 . 75024- 2, 8 . ,5 . . 7- 6 . 0 1/210/6,0- 2 217,?, &$''#2$# # ,- 6 . 0 759 7 : : 7/
6/00 2 7 7 ; 7/ 8 . ,5 . =,0 3- 7 6/7*-17/0*6 /0-,* 8 %U

+ A

&&4)" 9&&#'9

+*B9;"GB*: I

99=#9;+89*;=4@# 0;: +@= ;* A

"
% *:8*B

1S
*8+0 *;=8494 @B GB*: I 2+ #9;+89*;=4@# -98+ 4* AGB*: I

2 %-.37-839&5 oN 3 M O#)#&$#82$ 3 23%'" $5 3 /)8/$' $3 $% &$/ #8/! $9,'5 3'&&#(/$#38 238$3"$')5 # ,"#2/$' 3 (/!(/$' - 9&9/!!-)39,!' $% 89 ,' 3:- $% . '$/!&5 #8&'"$')' <#$% $%' :#!/ '8$& 3#8')' #8$3 /' $9,' % :"'' 5 7#"$ 3 &%'/$%')' /$5 $%' ,/& ,- /' 3"' 3 !'&&)'('!3.')')#&F 3:- HQ'('"/! H 1 3 &'('"/!>3(9!')

2'!!&' % ' /&2'8)#87' 3'" .'8)9!3(&5 !##!9 ' (#&9/!!-' ('8$"/!5 #2"3.-!'' &9.'"#3"5
, , ')"-' 3'":!'&%-' " - ! ' /!,9 #839&' 3'" '?/!,< #83#$& 1 -' $"83)-' '
/!$'"8/$'

8:9' 08' ?B ' 4 08' 8*89 A' ! ' " /00=' 0 +9;' 7*8=#' 40 0@89=#'
?0B9+ B9?' 0=08 980@?' ' * +98;*+9#' 95?+ C@ *+9#' -98A' 8*89 A' =0++9=' G !#8>'
)'"&#/ 5'C ;;*+9' 08' 8*89 A' ? BC 9#' 9;+ 89' 0 8 ' 6'# 08' 8*89 A' DI0 A:*B0 = 0 G20!-#'
89:@ *8#' +98B ;*' 08' *5 *8A#' C*;4 9=' .' :9;98* A' ?B* #' = =' 08' C*8+ +9#'
9?+ -+ 0;' @?@* A' B>8 4*+9' 2 ' >AC0:A;0@?# #' 8*89 A' M O#' ?0B9+ B9?' 899'
;=' 40;+0 .+9=' 08' B>8 4+9#' ?0B9+ B9?6'40;*+9#' 08' *=;*+9' +0' +79' ?+*B ;*' +@>9#' *;=
-* -*+9' - ' :9;98* A' ' 08' H #' 8*89 A' #' -98A' 8*89 A' HN #' ;?98+9=' / +7' +79'
C9+* ?' 0@+? =9' 0' +79' >*?9' 0' *' 7AC0:A;0@?' = ?7' :!!/ '8$&' @; +9=' >A' +79 8' B*8: ;?'
;+0' *' B089' 08' 9??' 40BC 9+9' +@>9#' 9;+ 89' 08' +00+79=' 08' -*8 0@? A' *4 ; *+9#' -98A'
8*89 A' 899' D ')"'!/I' /8$%'"& ;+8 8?9#' ?9?? 9' 08' ?@> ?9?? 9' 0;' +79' ?+*B ;*' +@>9#'
;4 @=9=' 08' 95?9 +9=#' =97 ?49;49' 0;: +@= ;*#' 40;;94+ -9' ?0B9+ B9?' 9;:+79;9='
1' -*8 0@?#' @?@* A' *;;@ *8' 08' +@>@ *8' *;=' ?79*+7 ;:#' 899#' 08' *=;*+9' +0' +79'
0-*8A' G "#2%#!#/' 3'" ?+*B ;*' +@>9' G+/#!') ' % ' 899#' @?@* A' M 49 9=' &$-!'
? BC 9" &$#7 /' =?4 08B' 08' A8*B =*" 3(9!'& @?@* A' ' ;' 9*47' 49 #' 40 *+98*' 08'
?@C98 BC0?9=#' -98A'8*89 A'?0 +*8A#' ?0B9+ B9?'N' 08' B089' G ')"'!/5' <#'$'8#8 5'*?49;=;:'
08' C9;=@ 0@?#' 8*C79' -9;+8*#' B 480CA 9' ?@C98 08' o ' -*8 0@?')?0B9+ B9?' *' =8@C9'
G+'!#/5' +/#!') ' 08' >988A' G6/(</5' /8)3"#29 5' ?0B9+ B9?' *' 4*C?@ 9#' 04@ 4 =*'
G "#2%#!#/5' U4 I' 08' ?9C+ 8*:*' G ')"'!/5' <#'$'8#/5' U4 I' ' 95* >@B ;0@?#' 08'
/ +7' 9?7A'* >@B9;#' / @:.9=' G <#'$'8#/5' ')"'!/5' U4 I' 08' ;0+' G+)#/5' "#2%#!#/5' U4 I'
" - ! ' *+#' 7 @B' @?@* A' -9;+8* " 23$-!')38&' 9?7A" "/)#2!'' @?@* A' ?@;F' >9+/99;'
+79' 40+A 9=0;?*;=' ?@C98 08#' ?0B9+ B9?' -*:@9

! ' ' + +!4>

+*B9;?@; +9=' ;+0' *' +@>9' -*8A' / +7' 0-@ 9=' 49 ?' 99=?' ;0+' / ;:9='
* >@B9;' +7 ;#' 9?7A' 8@ +' *' 4*C?@ 9' G 9#(#&#/5' 9""2'/5' U4 I' 08' =8@C9' G+'!#/5'
+/#!') ' 08' >988A' G6/5(2'/ ' 0+A 9=0;?C*;0 40;-95' 08' 0 *490@? 1 9*-9?' ? BC 9#
M 0 0 *+9' 08' C ;*+9#' 08' =940BC0@;=

k4,?,-,7' 4//-07' 7?-07' 4:2*,7' 0,7' 7 07
M73,/75.67' # 7/0+7:,7' 7 23/=4:

! ' ' +`

+*B9;?@; +9=' ;' *' @>9' -*8A' / +7' H 0-@ 9=' 49 ?' ' ;0+' / ;:9=#'
95* >@B ;0@?' 8@ +' *' 4*C?@ 9' G /"/./5' "#2%#!#/5' 9/"'/5' U4 I' 08' >988A' G /8)3K
"#29 5' +#!8'/5' 1/&-23!'9 5' /8&#9 5' U9 I' 0+A 9=0;?+7 4F 1 9*-9?' C ;*+9

' '

=-2G=4: .,-25,062*' 1,5,7/,-' 7;/7 07 7*32/,54: +7,7
,*07 7*-,4: :22/7 47/07 O7-4/7 90.0/+,7
32*67*3/7 0=*07 2-5.2G=2* /,5.,,7 7/717 80*,7

.0-0' 6/,;0-' 7/0' 6.2-0' 1/212-03' ;=' 0*6,7:'*B' 2290/' ,',*' 6.0' I 0*0/7' 7*67/4: #8' %

" 6

A

+*B9;? @; +9= ;* *+@>9 -*8A / +> B*;A 0-@ 9= 49 ? *C?@ 9 ?9C+ 8*:* *+ +79 +0C >A M > *B9 *+9 -* -9? =9+*479= 80B +79 *5 ? 99=? BB980@?# * >@B ;0@? 08 ;0+# @?@* A / ;:9=# 7 ;B *+98* 08 *C 4* # 8*C79 * 0;: +79 / ;: 1 9*-9? C ;;*+9

.7=7 2=:,37 8,060*,7 .,59/7--,7 46.0/,7

6 9

+*B9;? 899 -*8A / +7 B*;A 0-@ 9= 49 ? *C?@ 9 ?9C+ 8*:* 08 04@ 4 =* *+ +79 +0C >A M -* -9? =9+*479= 80B +79 *5 ? 99=? ;@B980@?# 40BC89??9=# / ;:9=# @ >@B ;0@? 08 ;0+ 1 9*-9? @?@* A C ;;*+9

03/0 7 . 2/2G= 2* ,*30/-,7

+ '!#'2& 7*3 ')"'!' 7/0 *07/ 9"/8$#/''2" 7*3 9$/8'2" D 8.,59 -00F .0= 711/275. /.#8)/2' ,* . 21067,-: 3,1 2-60 : 2*= 4*,2* 2 , 7, 0*6- . C12+=*24- 3.9 T 2?4 03 2?7/,7* 50 - -, : 1 0 -6= 0 8223= -60 : 7*3 7 60/*760 07?0-J ;46 ,* /.#8)/2'/ 6.0 , 7 : 0*6- 8.0* 52**760 7/0 2* = -2 76 6.0 ;7-0 6.0 -67 : 0*-7/0 ,*-0/6034 8,6.,* 6.0 3,-9 7*3 6.0 /73,5 0 ,- ,* 0/,2/ 06800* + '!#/2'2 7*3 !9#8#Q "#/''2" 6.0/0 7 0 7 -2 -2 : 0 12,*6- 2 7*7 2+= 24*303 2* 6.0 ,*-0/6,2* 2 6.0 1067 - 6.0 *4 : ;0/ 2 6.0 -67 : 0*- 7*3 6.0 52**056,2* 2 6.0,/ , 7 : 0*6- 6.0 T 2?4 03 2?7/,7* 50 - -, : 1 0 -6= 0 2.03 -6,+ : 7 ;0//= 3/410 2/ 571-4 0 8223= -60 : 7*3 7 60/*760 7*3 2 60* 326603 07?0- .0 -7 : 0 7*7 2+= '?#&$&' 8,6. 9"&'"/2' 5 8.,5. 7/0 3,-6,*+4,-.03 ;= 6.0,/ 0G7 ;4 :,*2,,- -003 7*3 2 303 52*62/603 526=H 032*-

+ '!#'2'",*.7;,6 6.0 6/21,5- 2 /,57 7*3 -,7 "#2 + !#'/ 7/0 : 2/0 52 : : 2* 0-105,7 =,* -,7 7*3 : 0/,57 #3#'$'8#'2& 7*3 ')"'!'W" ,*.7;,6 6.0 6/21,5- 2 ;26. 52*6,*0*6- 7*3 -2 : 0 +/28 ,* 6.0 2 4557- 7*3 4-6/7,7

.,- 7 : , =,- 4-0 4 62 : 7* ;26. ,* : 03,5,*0 7*3 : 7*4 7564/0- .0 75/,3 ;,660/ 7-6/,*+0*6 7*3 7/2 : 76,5 1/,*5,1 0- 8 .,5. ,6 12--0--0- ,* ?7/,24- 1/212/6,2*- 7/0 62*,5- -6,: 4 76,*+ 14/+76,?0 2/ 0 : 06,5 2 : 0 -105,0- .7?0 7+/007; 0 -4+7/= 7*3 /0 /0-.,*+ /4,6-

+ '!#/ J')/"/2%,- 7 - : 7 -,76,5 6/00 *764/7 ,M03 ,* 7 87/ : 5 , : 760- 7 17/6- 2 8 .,5. 7/0 ;,660/ 14/+76,?0 ?0/,*, 4+0a;46 11,-7*24- * 7, +0 32-0-J 6.0 -003- 52*67,* 7 , ?03 2, 4-0 4 2/ ;4/*,*+ .0 /4,6 2 + &' .'"(#"'8&5 2/ *3,7* , 75 ,- 12,-2*24- .0 ;7/9 2 + J/)#"/2!#$/ ,- ;,660/ 7*3 1280/ 4 =62*,5 7*3 6.0 2 !*,6- -023-@,7Z7 /714603 /0 : 03= ,7/ .07375 : /2 : -4*-6/290 .0 7/2 : 76,5 /2261 /8)3"#29 #8)#29 ,- 0 : 1 2=03 2/ .07/6;4/* "#2%#!#/ 7*3 9/"'3 * '82// -105,0- 7/0 ?0/= 0*0/ +06,5 14/+0- 7*3 0 : 06,5- 0?0/7 -105,0- 2 -&3?-!9 .7?0 7 -6/2*+ - : 0 2 +7/ ,5 * -,7 6.0 ;7/9 2 /!&9"/ .#&2#)#/ ,- -03 62 -6410 = ,- J 6.76 2 /"/./79#/8 ,- 52*-,30/03 ,* : 0/,57 62 ;0 7 0;/, 4+0 6.0 766= 2, 2 ,6- -003- D /7; 2, F ,- 7 /014603 7*6.0 :,*6.,5 7*3 ,- 7/+0 = 4-03 ,* : 75.,*0/= .0 -!33/".# 2 -,7 7/0 1/7,-03 7- -62 : 75.,5- .0 14 1 8.,5. -4//24*3- 6.0 -003 2 + #!8' / ')9!#/5 7* -,76,5 -105,0- ,- 30,5,24- .0 10/,57/1 2 / #9 ,- 75,34 24- 7*3 -4+7/= 3- #) /': '%"#:97/5 50 OH ;/7603 ,* *3,7 2/ 6.0 ?,/640- 2 ,6- ;,660/ 7-6/,*+0*6 7*3 7/2 : 76,5 ;7/9 ,- 73 : ,6603 ; = 4/2107* 32562/- 7 : 2*+ 6.0 -4;-6,6460- 2/ >4,*,*0 7- ,- 7 -2 ')"'!/': '%"#:97/5 7 *76,?0 2 !7?7 .0 *%/-/ 4-03 ,* 0*0+7 7*3 6.0 o : [] ME- *05/21,57 -,7 12--0--6.0 -7 : 0 1/210/6,0- .0 ;,660/ 7*3 -6=16,5 ;7/9 2 '$'8#/ + /%3738#5 7 *76,?0 2 '6/21,57 : 0/,57 ,- 0 : 1 2=03 : ,G03 C8 6.>4,*,70 ,* ,*60/ :,660* 0?0/- .0 8223 2 : 2-6 2 '6.0 -105,0- 2 '6.,- 7 : , = 2 60* 57 03 037/ ,- 0+ 00 : 03 *26 2* = 2* 75524*6 2 ,6- -8006 -50*6 ; 46 0-105,7 = 2/ ,6- 30*-,6= 7*3 ,*0 52 24/ .0 : 2-6 50 0;/76603 -105,0- ,- 6.0 <#'$'8#/

((< 3 '

+ /%3738#5 8 . ,5 . ' =,0 3-' 7 . 2+** ' 7' ,*0' 8223 ' 5 2-0' ,*' 60G64/0 ' 2 ' 7' /033,- . ' 52 24/' - . 7303' 8 ,6 . ' ; /28*' ; 052 : ,*+' 37/90/' 8 . 0*' 0G12-03' 62' 6 . 0' 7,/ ' 7*3' : 45 . ' 4-03' ; 0574-0' ,6' ,-' Dg7-=' 62' 82/9 ' 7*3' 6790-' 7' ,*0' ,2 ,-.

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L ! ' 08' ?B* ' ' ' * +98 ; *+9#' C9+ 0 9=#' R@ +9' 9 ; + ; #' D 9 ; ; 98-9$#' 408 *490@?*' &$#. 9!'&' C9+ 0 *8' 08' 4 0?9' +0' +79' *5 ?#' =94 + @0@?' ' 2 0+ ' 0' =9 ; ?9' ?0B9+ B9?' * B0?+' 4*C +*+9' 408AB>0?9' 4AB9?' ' . '#%9#2!'&' *5 *8A#' 0 +GK ; ' *= @ +9' +0' +79' C9+ 0 9#' +79' 0 / 98?' +7@?' *CC9*8 ; : ' +0' >9' C *49=' *+' +79' >*?9' 0 ' +79' 9* > *=9' " 8 ' ?B* #' ' 08' @ ; ?95@* ' ' O4' 899' 08' 40 ; ; *+9#' ?0B9+ B9?' @ ; 9R@* #' 408 *490@?#' B>8 4*+9' ; ' >@=' 2 ' D4' ; ?98+9=' 0 ; +79' 4* A5#' 8*+798' 0 ; : 98' +7* ; ' +79' ?9C* ?#' B>8 4*+9' 08' 0C9 ; ' ; ' >@=#' 899' * ; =' 9R@* #' 08' 40 ; ; *+9' * ; =' @ ; 9R@* #' >80*= A' 4 * / 9=#' 0 +9 ; ' ; *880 / #' =' 08' 0>9=#' / +7' *' +98B ; * ' ; 959=' : @ 9#' +79' 9=: 9?' 0 ' / 7 47' *89' *= ; *+9' +0' +70?9' 0 ' +79' ??@89' 0 ' +79' C9+* ' 1' -*8 0@?#' 4@CE ?7*C9=#' 9 ; + 89' 08' 0>9=' 08' >80F9 ; ' @C' ; +0' 7AC0 : AB0@?' : * ; =?' 08' ' 899' ?4* 9?' - ' O4' ; ?98+9=' / +7' +79' C9+* ?#' * +98 ; *+9' / +7' +79' ?4* 9?' 08' 0>9?' 0 ' +79' = ?F#' 899' 08' *= ; *+9' +0' +79' : *B0C9+* 0@?' 4080 * +@>9' ' /8$%'"&' ?708+ A' 0> 0 ; : #' =97 ?4 ; : ' 0 ; : +@= ; * A#' 40 ; ; 94+ -9' @?@* A' +7 4F9 ; 9=' *+' +79' >*4F ' % ' 899#' @?@* A' =9C89??9=#' : 0>0?9#' C@>9?49 ; +' 08' - 0@?#' M 49 9=' &$-!'&' M#' +98B ; * #' ?708+' 08' 0 ; : #' 899' 08' 40 ; ; *+9' &$#7 /&' ?@> +98B ; * #' ? BC 9' 08' 4*C +*+9' ' 3(9!'&' #' :9B ; *+9#' C9 ; =@ 0@?' 80B' +79' +0C' 0 '9*47' 49 \' * ; *+80C0@?#' 8*C79' - 9 ; +8* #' B 480CA 9' ?@C98 08' ' 0> 0 ; : ' 08' 40BC89??9=#' C@>9?49 ; +#' =8A' ' . #2/" . ' 408 *490@?#' 9 ; + 89' 08' =97 ?4 ; : ' *; =' = ?4 0? ; : ' +79' H 99 9=#' ?0B9+ B9?' -* -9=' >0 ; A' 08' 48@?+*490@?' 9 ; =04*8C#' 49 ?' H ?99=9=' ' C9 ; =@ 0@?#' *= ; *+9' >A' *' >80*=' 7 @B' +0' +79' +0C' 0 ' +79' 49 ' $'&$/' B9B>8*; 0@?*' /!%9 '8 ' " - ! ' *8 : 9'' 23$-!') 38&' *BA : =* 0 =' "' /) #2!'' ?B* #' ?@C98 08

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0/98? ?0?+9B0;0@? +*;9;? * +98;*+9 / +7 +79 ?9C* ? -*8A H 49 9=# / +7 H 0-@ 9? C9;=@ 0@? 80B +79 +0C 0 +79 49 # -98A 8*89 A / +7 M C98 94+ : 0-@ 9= 49 ?

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2-6 746.2/- /0+7/3 6.0 /05016754 7/ 541 .0/0 7 4303 62 7- 7 57 =G 7*3 6.0 57 =G 7- 7 52/2 7 B *

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b 79 *>0-9 +8 >9? *89 *=0C+9= 80B +79 Y(C$9;48** * + @; B :0 4;+ * ;* *;= 04F@8# ; /7 47 /08F *0@8+7 ? *==9=#0 +9;89:*8=9= *? *;08=G # >@+ / 4 ?0B +9= ;+ 9 08 ;* 0 +7 ? >00F# 9 1

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2 6.,- 2/30/ 6.0A7;2?0 746.2/- .7?0 4/6.0/ 7110*303 6.0 -,*+,, 7/ *3,7* 7*3 !,*74, -5 /")#3.$'"#&5 7 - 0*30/ 7**47 5,:;,*+ +7;/24- .0/;8,6. :,9= 4,50 ,:;/,576, -1,7 - 7*3 +7:2,,/4,*,- ,?0 2;03,:;/,5760 52/2 7 67:0*- 7*3 2??/= 2 2/2#8'2'5 ;46 682 - .2/6 -6=; - 8,6. 571,6760 -6, 47- 2*0 DNF 2 8.,5. +/28- /0:7/97; = 7 60/ ,:1/0+*76,2* .0 2*0 50 03 -410/,2/ 2??/= ,- -45* ,,. 3 ;= 7 ;/273 = 682 8C,*+03 52/,75024- 8.,60 /4,6 8,6. 7 *7//28 50*6/7 **+,6,,3,47 50 52*67,*,*+ 2*0 1/4 34 24--003 8,6.?0/= :,*460 0:;/=2 *0G6 6.0.,4:, * 7 30*-0 +/7*4 7/7 ;4:0* 6.0 682 52 760/7 10*34 24- 2?4 0- 2*0 2* = ,- ,:1/0+*7603 ,6 52*-,-6- 2 7 *7903 *45 04- 6.0 0:./=2 -75 2 8 ,,,C , ,7 0G-0/6,9 7- 7 ?0/= - 0*30/ 2*+ 64;0 C

;246 '$ -105,0- 2 !/2#8'2 7/0 9*28* ,*5 4303 ,* ($ +0*0/7 6.0=7/0 3, N1C/ 53 2?0/ 6.0 6 ,S,,57 7*3 -4; 6/21,57 /0+,2*- 2 6.0 8.2 0+2;0 ;46 7/0 /7/0 ,* 246. /,57 7*3 4-6/4 ,7 4$ *4**] ,,* ,,,;,6- 08 hO7 7*3 7*3 0G6/7 6/21,57 4-6/7 ,7 7/,24- -105,0- 2 6#!!/"'&#8 73?7*50 ,*62 D#;, 0%#! "892. 7/0 6/21,57 -,76,5 7*3 /,57*

!)'%<D '7,0 -2 5 2-0 = 7 ,03 62 /8$/!/2'2 7*3 3"8/3'2 6.76 ,6 ,- ,:1*- -,;0 62 -0017/760 6.0:; 7*= *764/7 5.7/7560/- 7*3 6.0-0 62+06.0/ 8,6. 3"/8#%/2'2&5 2/:2*0 +/076 7:, = !!#2###$) 7/0 -017:60 /2:!/2#8'2 'S3!'Y- ;= 6.0 52:1 060 50 - 2 6.0,/2?7/= 6#!!/"'&#/;0,*+ ,* 6.,- /0 -1056 >4,60 ,*60/:03,760 3"8/2'2 3, 0/ ,* 6.0,/ 52:1 060 = ,* 0/,2/ 2?7/=

,66 0 ,- 9*28* 0 6.0 1/210/6,0- 2 !/2#8' .0 3/410- 2 #$8'8#9 7/0 , *60,, * 0*0+7 7*3 -7,3 62 ;0 -8006 7*3 7/2:76,5 ;46 /24+. 62 6.0 17 760 !/ ('J'-!/8#38 .7- 7 056,3 8223 8,6. 7 -7,:676 5 7*3 ,- 0:1 2=03 ,* 146/,3 0?0/- J ,6- 07?0- 7/0 4-03 7- -7 73 .0 -60:2 4%#@!9"88#4 ,- ?7/= 54/,:> ;0,*+ 8.,60 7*3 ?0/= 12/24- 7*3 3,-5.7/+,*+ 8.0* 546 7 -6/07:2 , :1,3 1267;0 8760/ B :

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" - - 7'8'"/5]8:08 B $H 3 4 1 5 6 "("4 "38-8#8"$

2 &9%>.3!-.'$/!39& 3" .3!-.'$/!39&5 %-.37-839&5 #&3&$' 383?D&5 2"/$#(8$#38 # ,"#2/$' - #8&'"$')/$$%"' ,/&" 3:$%"' .'$/!&5 3" 38 $%"' "'2'.$/2!' % " 3: /8- N>3(9!')2'!!&' % .'8)9!39&:"3 $%"' 2'8$"/! /87!"' 3: $%"' 2'!!&' 0 /)"9.' " -! #89$'5 /!,9 #839&' " &9.'"#3" 1 -'<33)-5

2/ 8,6. 10/-,-60*6 2/ 5734524- 07?0- 7 60/*760 2/ 2112-,60 -,:1 0 52/,75024- + 7;/24- -.,*,*+ 0G-6,14 760 " 8 E 2/ /7/0 = 4*,-0G47 - :7 -2,67/= 2/ 7-5,5 03 ,* 6.0 7G, -2 6.0 07?0- 2* -,:1 0 1034*5 0- -2:06,:0- ;/7*5.,*+ ,*62 3,5.262:24- 5=:0- .1< ,3 2/ 17/6,60 10/-,-60*6 8,6. 2;64-0 -0+:0*6- " ,*-0/603 2* 6.0 /0501675 0 2 M /00 2/ *07/= /00#1067 - -0-6,?76,2* ,:;/,5760 - M# 7 60/*76,*+ 8,6. 6.0 1067 - 7*3 52.0/,*+ 62 6.0,/ ;7-0 2/ 2* 6.0 /0501675 0 J :#!/ '8$& ,,2/:2/ -4;4 760 -.2/60/ 6.7* 6.0 1067 -J /8$%'"& ,*6/2/-0 32/-7 =73*760 30.,-50*50 2*+,643,*7 % /00 0-.= -4;+2;2-0 T < & 50 03J &$#7 / -4;-0--,0 2;03J 3(9!'& -2,67/= ,* 075.50 10*34 24- /2:6.0 621 2 6.0 50*6/7 7*+0 7*76/2124- " 0-.=

3 ‘ B $ ((Y

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2‘ T & $$‘ 8223=‘ 2/‘ ; 2*=‘ 2*0 -00303‘ ,*30 ; ,-50*6‘ 1=/0*0-‘ ‘ ,*?0/603J $'&$/‘
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; 6.0 4*,5 0 3, 7603 ,*62 7 0414 0J /!,9 '8 0-.= 521,24- " - ! -6/7,+.6 :,*460 76 6.0 621 2 6.0 7 ;4:0* -4; 5 3,*3/,5 2/ + 2;4 7/J "/)#2!'* *07/ 6.0 .,4: -410/,2/

$? 77-,*0 0G /,*2- /2*,7 0:217*6.0-

!#)8' 80/0 2/ 7 2*+ 6,:0 1 7503 ,* 6.0 7:,= 2)/&$"#8'2 5 8.,5. 711/275. 6.0: ,* 6.0,/ 10/H -,-60*6 57 =G .=12+=*,-: ,-2-60:2*= 70-6,?76,2* 2 6.0,/ 52/2 7 6.0,/ :7*= 50 03 2?7/= 7*76/2124- *?4 0 -0--,0 2/ -4.-0--,0 -6,+:7 -2:06,:0- 3/4175027- /4,6 G !2'3)'8)"3 # 5 -6/7,+.6 7;4:,*24- 0:;/=2 8223= -601,'7 60/*760 07?0-7*3 7G, 7/= -:7 7*3 +/00*,-. 280/- ;46 '!/&$"#8'2'' 3, 0/ ,* 6.0 0-.= 3,-9 8.,5. ,*0- 6.0;2662: 6.0 57 =G 7*3 2 60* 6.0;7-0 2 6.0 2?7/=,* 6.0 0/056 2/ 7-H 50*3,*+ 2?4 0 7*3 ,*7 = ,* 6.0,/ 52/2 7 8.,5. ,- 5 07/ = 12 =1067 24- O 0 -,7 ,*3,5760 6.0 7 ,*,6= 2 !#2#8'2'' 8,6. , /2' 4*30/ 6.76 7:, = .0= .7?0 7 -2 7 52**056,2* 8,6. !/2#8'2&5 24*303 2* 6.0 .=12+=*24- 52/2 7 10*34 24- 7*3 7*76/2124- 2?4 0 0-.= /4,6 7;4:,*24- -003 7*3 8223= -60:J ;46 !/2#8'$ .7?0 7* 7*,-2-60:2*24- 52/2 7 8,6. ?7 ?760 -0-6,?76,2* 7*3 6.0,/ 0:;/=2 ,-7), 0 7*3 *26 71,57 # !#'#8''& 7/0 /7/0 ,* 4/210 6.0= 7/0:2/0*4:0/24- ,* -,7 246. 7*3 0*6/7 :0/,57 7*3 76 6.0 710 2 223 210

!#2#8'2'' 52*67,* 7 .,660/ 1/,*5,1 0 6.0 #!#2#8'' 2 5.0:,-6- 52:;,*03 ,* ?7/,24- 1/212/6,2*- 8,6. 7* 7/2:76,5 /0-,* 7*3 7 + 46,*24- :7660/ 62 8.,1 -2:0 -105,0- 2 2 = 280 :03,5,*7 1/210/6,0- !#'#8'' .7- ;00* 1/212-03 7- 7 -4;-6,6460 2/ >4,*,*0 * ,* 4-,2* 2 6.0 07?0- 2 !'?' (3 #$3"#/ ,- 3,4/06,5 7*3 3,71.2/06,5J ,* 7/+0 32-0- ,6 1/23450- ?2:,6,*+ 7*3 ,- 6.0 4-47 0:0 ,5 2 6.0 -7?7+0- 2 246. :0/,57 !'?' /"/79/-'8&#&=,0 3- /$'5 8.,5. 6790- 6.0 1 750 2 607 ,* 2 6. :0/,57 .0;7/9 2 "# &'('"$#) /$/ ,-7-6/,*+0*6 7*3 ,-4-03 ,*6.0 *,603 6760- 7- 7 62*,5 7*3 7*6,-016,5 7*= 9,*3- 2 2 =7/0 54 6,?7603 ,* 4/210 7- 2/*7:0*67 1 7*6- D! 1/%3985 %/!'/"#2/5 /)'"'8&#&5 !/$#:3!#/5 "5 F J .46 6.0:2-6,*60/0-6,*+ -105,0-,- 6.0 52:: 2* 2 =G !'?' /7#):3 9 5 8.,5.+/28-,* 6.0., = 2/0-6- 2 80-60/* 4/210 7*3 6.0 -1,*= 7*3 10/-,-60*6 07?0- 2 8.,5. 80/0 2/:0/ = 4-03 7- 7 0;/,4+0 .0;0//,0- 7/0 2 7 ;/, ,7*6 /03 7*3 8,6. 6.0 -.,*,*+ +/00* 07?0- +/076 = 52*6/,;460 62 6.0;0746= 2 24/ 8,*60/*;24>406- .0;7/9 309,- ;,/3 :0 4-03 ;= ./35765.0/- 7*3 2/:0/ = 0:1 2=03 621,57 = 62 /03450 64:24/- 2 = 8223 ,- 5 2-0 7*3 .7/3 7*3 :45. 0-600:03 2/ 57;,*06 82/9

) + 5 9$$/!

0/ >9*+> F9 =8A 9894 08 C80?+*+9 B@4 >8*;4;9= ?78*>?# >8*;479? 4A ; =8 4 * +98;*+9# ?0B9+ B9? ?@> /708 9=# 408 *490@?# 9;+ 89# 95?+ C@ *+9 2 8 ?B* # 89:@ *8# @?@* A = 094 0@?# 8*89 A C0 A:*B0@?# ?9?? 9 ; +79 *5 ? 0 +79 @CC98 9*-9?# ?0 +*8A G .'$"9 5 08 9/ +0:9+798 D '"/$#3!/ 5 8*89 A 480/=9= *+ +79 +0C 0 +79 >8*;479? G 3"' / 5 ;*F9=# 08 @8; ?79= / +7 ?4* A B>8 4*+9 >8*4+? .' M C7A 0@?' !'/:!'$& B>8 4*+9 ; *9?+ -*+ 0;# 408 *490@? 08 B9B>8*;0@?# *;= F9 +79 >8*4+90 9? 2 7AC0:A;0@?# ?708+ A 4*/9=# C98? ?+9;+# B*849?49;+ G8@= B9;+*8A 08 ; ;+79 \ I ;?98+9= / +7 +79 C9+* ?# 9R@* *;=* +98;*+9 / +7 +79B :#!/ '8$& 08B# 899# C98? ?+ ;:* +98 +79 * 0 +79 *;+798?E /8$%'"& 95+808?9# ?@> :0>0?9# = =AB0@:' 08 0>0;:# =97 ?49;49 0;:+@= ;* % G8@= E B9;+*8A ;+79 S ?9*+9= 0;* 9?7A ?@> :0>0?9 = ?F# M N Q 49 9=# 49 ? H 0-@ 9= &$- ?708+# *;:@ *8# 08 0>?0 9+9 &$#7 / 0>9=# 8*= *+ ;:# 0>9? +8@;4*+9# *4 ; *+9 08

C 7/,24- !/2#8'/ .7?0,-2-60:2*2,,-,:;/,5760 02/2 !7- 6.0 .7;,6 2 '?5 7*3 -67:0*- 52.0/,*+ 62 6.0;7-0 7*3 71,57 0:;/=2- *267;= 6 !/"'&#/5 8.,5. .7- 4/6.0/ 2 6.0 52**760 1067 - B *

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. 0' 07?0-' 7*3' 3/410-' 7/0' 75,34 24-' 6 . 0' /4,6-' 2 ' . '$8 ' 8#7"9 ' 7/0' 0760*' ,*' 6 . 0' 2/6 . ' 2 ' 4/210' 2/' 6 . 0,/' 7*6,-52/ ; 46,5' 7*3' 3,4/06,5' 1/210/6,0-' . 0' /00* 7*30/-' 0/ : 0*6' 6 . 0 : ' 7*3' 2 ; 67,*' 7' -1,/,6424-' ,>42/ ' /2 ' 6 . 0' 3/410-' 2 ' 3"' /' 7*' 75,3' 3/,*9',-' 1/017/03',*' 2/64+7 ' 7*3' 0 : 1 2=03' 7-' 7' 0 ; /, 4+0',*' 1214 7/' : 03,5,*0

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_ *' *3,7' 6 . 0' ; 7/9' 2 ' 938- 9&' $#87 &' ,-' 4-03' 62' 3=0' 7' =0 28' 52 24/' 8 ,6 . ' 8 . ,5 . ' 6 . 0' ,*322-' : 790' 6 . 0' -75/03' : 7/9' 2*' 6 . 0' 2/0 . 073' J ,6' ,-' 7 -2' 4-03' ,*' 0=0' 52 : 1 7,*6-' . 0' ; 7/9' 2 ' ' 3?%9"7%##' ,-' 7*' 7-6/,*+0*6' 4-03' 62' /03450' -*C0 ,*+-',*' *3,7 ' . 0' -003-' 2 ' 6 . 0' 4/2107*' 938- # 7/0' *74-024-' 7*3' 14/+76,?0 ' 7*3' -7,3' 62' 12,-2*' - . 001J 7*' 2,*6 : 0*6 : 730' 2 ' 6 . 0 : ' 87-' 2/ : 0/ =' 4-03' 62' 9, ' ,50' ,*' 6 . 0' . 073 ' . 0' -1,*0-' 2 ' '!/&$"9&' ('8'"/$9&' 7/0' -7,3' 62' ,* ,56' 7' 12,-2*03' 824*3 ' . 0' 3/410-' 2 ' !2'3)'8)"38' * 9!/' 7/0' 0760*' ,*' 246 . ' /,57' ;=' 6 . 0' 52 2*,-6-' . 0' -003-' 2 ' '!/&$"9&' 89$/8&' 7*3' . /8#29!/$##&' 7/0' 75/,3' 7*3' -6, : 4 7*6 ' 7*3' 4-03' 7-' 7' : 03,5,*0' ,*' *3,7

'6 . 0' !N, 1 25/760750 ' 6 . 0' /4,6' 2 ' , U]77#2 , \]/,] ; / \4-' 7' *76,?0' 2 ' O 0-6' /,57 ' ,-' 0767 ; 0' *-' 7/0' 6 . 0' *46-' 2 ' #. . 32"/$#/' 23 3&/5' 6 . 0' I : 7*3,0/' 34' 2,-' # 2 ' 6 . 0' /0*5 . ' O 0-6' *3,0-' . 0' /4,6-' 2 ' 26 . 0/-' 7/0' : 45, 7+,*24-' 7*3' 03, ; 0 B :

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2 ' . 3!- . '$/!39&5' &9,>%- . 37-839&5' #&3&$' 3839&5' / '&$#(/$#38' # ,"#2/$' ' 2 ' D' #8&'"$')' 38' /' %- . 37-839&')#&F' - ' O' #8&'"$')' <#$%' $%"' . '$/!&' % ' E(&(' !3,')' % ' /8/$"3 . 39&' 2 ')"-' 3"':!'&%-' " - ! ' /!,9 #839& 1 <33)-' ' 23 . 398)' %#&$#. 9!/$'

' 2/' 0/056' ! ' ' +0*0/7 =' 2112-,60' & 2 ,2 760' 2/' , : 17/, ' 1,**760' J !'/:!'$&' 2112-,60' 106,2 ,, 760' J &$#. 9!'& 68,*' 76' 6 . 0' ; 7-0' 2 ' 6 . 0' 106,2 0-' 305,3424-' 2 8 ' +' 2/' , : 10/ 056' /0+4 7/' /750 : 03' 2/' 17*,5 03' 103,50 -' ; /75' 60760' 76' 6 . 0' ; 7-0' . ' /00' 52 24/03' < 17/6,60' 60-6,?76,2*' , : ; /,5760' 2 ' ,*-0/603' 2*' 2/' ; 0*076 . ' 7' . =12+=*24-' 3,-9' 5/0*4 7603' +0-6,?76,2*' , : ; /,5760' 305,3424-' - ' E' ,*-0/603' ,90' 6 . 0' 1067 -J :#!/ '8$&' -4 ; 4 760' /00' 0>47 J /8$%'"&' ,*6/2/-0' 210*,*+' 2*+,643,*7 =' ' T (' 4*,603' 76' 6 . 0' ; 7-0' 2/' 6 . /24+ . 246' 6 . 0,/' 0*+6 . ' ,*62' 7' T (50 03' 7*3' 2 ; 03' 2?7/=' J &$-!'& 0>47' ,*' *4 : ; 0/' 62' 6 . 0' 2 ; 0-' 2 ' 6 . 0' 2?7/=' 3,-6,*56' 2/' 52 . 0/,*+' ,*7 =' /00' J &$#7 /' 4*3,?,303J' 3(9!'& : 7*=' ,*-0/603' 7 2*+' 6 . 0' ?0*6/7' -464/0' T -0/,760' . 2/,M2*67' 2/' 7-50*3,*+' 7*7' 6/2124-' 2 7' : 0 : ; /7*24-' 64/+,3' 571-4 0' ,6-' 2 ; 0-' 210*,*+' 76' 6 . 0' 621' ; =' 6 . 0' ?0*6/7' -464/0' J 2/' 7 ; 0//=' (50 03' 2/' T 50 03' ; =' -411/0--,2*' ' 08' 2/' -2 ,67/=

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Yb B* / + / *+98A D@ 49# @?@* A /00=A# ? BC 9 08 >8*;479=# 800+?+04F? : - ; :0 B*;A 9894+ ? BC 9 08 ?C*8 ; : A = - =9= ? 9;=98 9* A >8*;479? M ?4*++989=# * +98;*+9# 8*+798 9?7A 08 408 *490@?# ;9*8 08 ?C*+7@ *+9# R@ +9 9;+ 89 &$#.9!'& 08 -98A B ;@+9 * # 89:@ *8# ;+98B ;* ?C F9? 08 8*49B9?*+ +79 9;=? 0 +79 >8*;479?# 08 *?4 4 9=# M >8*4+9*+9# /7 +9 08 A9 0/ " $?B* # 79B ?C798 4# 0>9= 08 C*8+ +9# 0>97 8*+798 @;9R@* # B>8 4*+9 ;>@= : # C98 :A;0@?# ;?98+9= 0;+79 +780*+ 0 +79 4* A5# ;9*8 08 ?C*+7@ *+9 4 */? 0;:# 899 08 40;*+9 B> 89 959=# B>8 4*+9 ;> @= (+7 ;# 4 0+7 ;: +79 >*?9 0 +79 4* A5 +@>9 = (# ;?98+9= 0;+79 9=:9 0 +79 = ?F# 9894+# ;4 @=9= :#!/ '8$& ? 9;=98# +79 * +98;*+9 ?708+98 /8$%'"& 0> 0;:# =97 ?4 ;: 0;: +@= ;* A .3!!'8 0>?4@89 A 0>9=# 80@:7 # " ?9?? 9# 899# ?@> : 0>0?9# 0>9= 08 C*8+ +9# 99 9= &$-!'& # 899 08 0;;*+9 &$#7 /' 0>9= 08 ?+ :B*? # 4*C +*+9 3(9! ?0 +*8A ;9*47 49 # 9894+ 80B +? >*?9# *;*+80C0@?# 8* 79 -9;+ * - 0 : 0>0?9 08 *;:@ *8 ?B00+7 08 89+ 4@ *+9 08 / ;:9= ;=97 ?49;+ H ?99=9= 4044 # /7 47 ?9C*8*+9 80B *= 49;+8* C98? ?+9;+ 40 @B; = 9894+E $'&$/' B9B>8*;0@?/!,9 '8 9?7A " *5 9# ?+8* :7+# *? !387 /& +79 * >@B9; " 23$-!')38& ?708+# 0>+@?9 "/)#2!' ; 98 08

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"98+ 4*'?94+ 0;'0'*' N9 / +' *+98*' 8*C79GB*:I 056,2*'2'7'-003 8,6.' 32/-7'/71.0 7*3';0*6 526= 032*-'D:7+F

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& - & 08 ! % ! # >8* 4 9? ?0B 9+ B 9? ?C ;9?49;+# ?0B 9+ B 9? 4 B > ;:'>A'+79 8'95+89B +A# / 7 47' ?' >*89' 0 ' 9*-9?' D 39/8#/ ' M ' ? BC 9# Y@?@* A'* +98;*+9# 8*89 A'?@> OCCO? +9'08' OCCO? +9# 9;+ 89' 8' +00+79=# C9+ 0 9=# ?0B 9E + B 9?' B ;@+9'08'?@CC89??9=' G 3!!'$#/' &$#.9!'& ?B * ' 08' # ?0B 9+ B 9?' +8*;? 08B 9=' ;+0' +708;?' !V ' ' 08'@; ?95@* # 89:@ *8# ?B * # :899; ?7# @?@* A' *5 *8A# ?0 +*8A# 08'-*8 0@? A' *?4 4 9=' "$'N =' 08' C*8+ +9# *9?+ -*+ 0;' -* -*+9' (' *=;*+9'+0'+79'4* A5# *;=' ; ;:' +' / +7' *' ? ;: 9' 08' =0@> 9' *A98# 0 ' -*8 0@?' 08B ' : ' 1 # @?@* A' ;?98+9='*+'+79'9=:9'0 '+79'= ?F# *9?+ -*+ 0;' ;=;C 4*+9 -* -*+9# 8*89 A' ' D 3!!'$#/5 3 /)'""#& ' = ' # OCCO? +9' +0' *;=' ;?98+9=' / +7' +79' C9+* ?" :#!/ '8$& ?0B 9+ B 9?' *=;*+9' +0' +79' >*?9' 0 ' +79' C9+* ?# >@ +' ;0+' 40;;*+9" /8$%'"& ;+8O8?9# =08? 59=# -98?*+ 9# ?0B 9+ B 9?' 0-0 =# / +7' 0;: +@= ;* =97 ?49;49# ?0B 9+ B 9?' 89; 08B' *;=' H 49 9='>A' 40; @9;49'0 '+79' 49 ?' *+' +79 '+0C# *;=' 0C9; ;:

;+0 -* -9? >A *;*8479=? + # 899# 08 >@8 9=;+79=?F# 08 B089 08 9??*=;*+9 +0 +79 4* A5 +@>9# 0 M H 1 0-@ 94 49 ?" &$- &9R@* ;;@B>98 +0 +79, 49 ?# B089 08 9??40;;*+9 &$#7 /& ? BC 9# =?+ ;4 08 40;;*+*3(9!'& @?@* A ?0 +*8A ;9*47 49 # 9894+# ?9?? 9 08 ;; 4 9=# *;*+80C0@? ?@C98 08 08 ;98 08# 8*89 A 49 9=>A ?@CC89?? 0;# ?0B9+ B9? *;;=97 ?49;+ 9?7A ?C0;:A 08 B9B>8*;0@? =8@C9# ?0B9+ B9 / ;:9=# / +7 *7*8= >80@? 08 /00=A M 49 9=9;=04*8C# ?0B9+ 7 9? *4*C?@ 9 / +7 M 48@?+*490@? 4044 ?9C*8*+ ;:*+ +79 +0C# C9;=@ 0@? 80B +79 *5 ?# *;= 0C9; ;: /79;8 C9 *+ +79 >*?9 0 +79 8 ;;98 9=:9 = 9894+ $'&$/ 00?9# 8*C79 *+98* 08 =08?*# 47* *<* +7 4F /!,9 '8 9?7A# ?4*;+A *8:9# ?+8* :76 A9 0/ 08 :899; 23$-!')38& *+# 9?7A "/)#2!' ?7080+# ;98 08

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b 0;?C94+@? 0 +79 +8 >9? *;=:9;98*# 80B +79 2 9;98* *;+*8@B :0 9;+7*B *;= 00F98)1

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(2/ -7/ : 0*62-0 ! 4 4-47 = 5 , : ; ,*+ -60 : 7*3 ; /7*5.0- *232-0 B 106,2 03 -, : 1 0 17 : 760 3,+,6760 2/ , : 17/,1,**760 6.0 280/ 2112-,60 6.0 4110/ 7 60/*760 2112-,60 62 6 ,0 1034*5 0- 8 .,5 7/0 2 60* 5.7*+03 ,*62 ; /7*5.,*+ 60*3/, - J &$#.9!'& 106,2 7/ -2 : 06, : 0 $ O 8 N 2/ *,-0G47 4-47 = - : 7 +/00*,-. ,* /750 : 0- 17*,5 0- 2/ 6.=/-, . - : 7 % E 6226.03 2/ 0*6,/0 5 26.03 8,6. 7 3,-9 2 % E ,*-0/603 2* 6.0 2460/ ; 7-0 2 6.0 3,-9 52.0/0*6 76 6.0 621 -2 : 06, : 0- 52**760 76 6.0 ; 7-0 B ''/ 5 -0-6,?76,2* ?7 ?760 - % E 112-,60 62 6.0 1067 - 7*3 ,*-0/603 8,6. 6.0 : 2/ ,G03 62 6.0 32/-7 750 2 7 -4; A+ 2; 2-0 E 2; 03 541 73*760 62 6.0 ; 7-0 2 6.0 52/2 7 G ''/ E :#!/ '8$& -.2/6 3,-H 6,*56 2/ -4; : 2*730 1.24- 76 6.0 ; 7-0 G ''/ - /8$%'"& ,*6/2/-0 30.,-50*50 2*+,H 643,*7 ? /00 2 T T 2?4 03 50 - 2/ 2 (< 2?4 03 50 - G ''/ E &$-!'' -.2/6 2/ $J &$#7 / 571,6760 2/ 10 6760J 3(9!'& 7*76/2124- 8.0* -2 ,67/= 0/056 8.0* T 52 760/7 7*3 7-50*3,*+ & T (< 50 03 0/056 60-67 ; 2*= 0*321 04/7 2 60* /4+2-0 2/ 2 303 8,6.,* " - ! -.2/6 76 6.0 ; 7-0 2 7 57/6, 7+,*24- 2 60* /4 : ,*760 7 ; 4 : 0*J "/)#2!'' ,* 0/,2/

,--4- : 10 21-,- ,6,- 007 60/,-7*6 ,0-

.,0 +0*4- $'"#& #$%'&5 .,2 , ,*.7;,6- 6.0 *3,7* /5.,10 7+2 .7- 7 1054 ,7/ ,* 2/0-50*50 8.,5. 30-0/?0- 62 ; 0 : 0*6,2*03@ 6.0 280/- 7/0 4*,-0G47 7*3 ,*-0/603 2* 7 7/+0 7660*03 : 0 : ; /7*24- /0H 501675 0 @ 6.0 3 7/0 : 7/+,*7 7*3 103,50 03J 6.0 ! -0--, 0 2* 6.0 3,-9

.0 7, ,*,6,0- 2 .'!#)' 7/0 /76.0/ 2; -54/0 .0= 711/275. "/!#/222'5 7*3 0-105,7 = 6.0 ?= ; = 6.0,/ 5 , : ;,*+ -60 : 17 : 760 = 2;03 07?0- ?7 ?760 ^0-6,?76,2* 2 6.0 1067 - 32/-, ,G03 ,*54 : ;0*6 7*6.0/- ; 0//,03 /4,6 7*3 - : 7 0 : ; /=2 8,6. 2 60* /4 : ,*760 7 ; 4 : 0* .0 : 2-6 , : 12/67*6 3, 0/H 0*50 ,- ,* 6.0 12-,6,2* 2 6.0 -67 : 0*- 8.,5. ,* "/!#/2' 7/0 7 60/*760 8,6. 6.0 1067 -J 6.0 01,+=*= 7*3 6.0 ,*?0/603 2?4 0 8.,5. 7 -2 3,-6,*+4,-.6.0-0 7660/ /2 : .'!#)'2'5 7/0 10/.71- 2 0- ,: 12/67*50 %/ 8'2'' 7 -2 7/0 52**05603 8,6. .')'/# = 6.0 8223= &$' 5 2 60* 5 , : ;,*+ ; 60*3/, - 6.0 7 60/*760 2/ 2112-,60 -6,14 760 07?0- 6.0 =7 ?760 ,-2-60 : 2*24- 1067 - ,*-0/603 2* 7 10/,+=*2*- 3,-9 6.0 -67 : 0*- A 112-,60 62 6.0 1067 - 6.0 2?7/= 2 60* ; ,4,03 ,* 6.0 3,-9 ,6- T 2?4 03 50 - 733 6.0 0/056 2?4 0- .0= -57/50 = 3, 0/ 0G5016 ,* 6.0,/ 1 **,*0/?03 07?0- 7*3 ,* 6.0 7 ; 4 : 0* ; 0,*+ -57*6= 2/ □ ,*7 = -2 : 0 3,-67*6 /0 76,2*- .7?0 ; 00* 2; -0/?03 ; 06800* .'!#)'2'' 7*3 + '!#/'2'5 7 : 2-6 0*6,/0 = 24*303 2* 6.0 : 2*730 1.24- -67 : 01- 2 6.0 +1*0/7 + '!#/ 7*3 ''/

.'!#)'2'' 7; 24*3 ,* 6.0 6/21,5- .46 7/0 : 45./ 7/0/ ,* 6.0 60 : 10/760 M2*0- 2*0 7/0 24*3 8, 3 ,* 4/210 .0 6#$#'' (#8#:'"/ ,- 7117/0*6 = 7 *76,?0 2 02/+,7 7*3 ,*+/0 ,7J ,6 ,- *28 54 6,?7603 ,* 7 524*6/,0- 2 8.,5. 6.0 : 07* -4 : : 0/ 60 : 10/764/0 ,- *26 ; 0 28 m 7; / J 8.0/0 6.0 60 : 10/764/0 ,- 280/ 6.0 755.7/,*0 1/,*5,1 0 320- *26 30?0 21 7*3 6.0 +/710- /0 : 7,*- 24/ .0 ,*0 , 54 6,?7603 ,* 6.0 6/21,5- +/28- /71,3 = ; 46 6.0 +/710- 8,6.0/ ; 0 2/0 /,10*,*+ .0 6 (#8#:'"/ ,- 7 : 2-6 6.0 2* = -105,0- 2 6.0 7 : , = 4-0 4 62 : 7*J 6.0 ; 0//,0- 2 6.0 7 ,03 -105,0- 8 .,5. +/28 ,* 6.0 2/6. : 0/,57* 2/0-6- 7/0 75,3 7*3 ,66 0 -24+.6 P

. 79 6 #$% /%"9&2/ 0 +79 ! ; +9= +*+9? ? ;@ 47 @?9= ; B*F ; : / ;9# *;= ? +79 O8 : ; 0 +79 ?*>9 * 8*C9 6 2& (/!#&5 0 +79 ?*B9 40@;+8A# ? * ?O C 9*?*;+ *;= 9= > 9#*? *89 +79 >988 9? 0 - *8 0@? ; = *; ?C94 9? 79 @ +*;* * ? ; ? +79 ?99= 9?? 8@ + 0 * -*8 9+A 0 +79 40BB0; 8*C9 4@ + -*+9= ; +79 9 - *; + *;= +79 @88*;+ 0 8 O8 ;+7 8*C9 0 40BB9849 ? +79 8@ + 0 *;0+798# 4@ + -*+9= ; +79 0; *; ? *;=? C*8+? O #&&9& 23") / !/ *;= & $3&/ *89 *48 =# *;= *CC 9= ; ; = * +0 ;=0 9;+ +@B0@8? 79 9*-9?*;= 8@ + 0 $#82$3"#/ *>0@;= ; * :899; 40 0@8 ; B*++98# / 7 47 ?00; +@8;? > @9#*;= ? @?9= +O =A9 4O++0; *>8 4? ; 8*< 6 !/$#:3 / *;= 0+798? *89 *B0@? ; ; = * O8 +79 8 89* 'O8?@CCO?9= C8OC98+ 9? ; ;=0 9;+ @ 498? *;= +OO+7*479# *;= *? =9+98 : 9;+? *;= C@8 98? O +79 > OO= @

##& 9+/28-',*'6.0'6/21,5-'J ,6-';0//,0-'7/0'/0 /0-.,*+'7*3'6.0'=24*+' 07?0-'2 '-2:0Z-105,0-'8.0*' 522903'-0/?0'2/'223

2 3 " ' ! 1 A5' 9&&#'9

0 '#$%'' #3'23 .3&')'3:Q >\'.'$/!&5'# ,''#2/$'5'#8&'"$')'3(5!&#)5''/'7!/8)9!/''' 08'/889!/'')#&F' = '9&9/!!-'#8&'"$')'<#$%# 0$%'')#&F5')39,!'5' '79/!5.'':'- ''$%/8' 4$%''&'./!&5''/"''!-' 3"'' #1 '2'8$"/!' 3'' '?2'8$"#25'9&9/!!-'H$>2&!!')''$&!!&'9&9/!!-

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8+'0'0/98'4@+'-98+4 A' >/ %
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99='4@+'-98+4* A'GB* I' 8*@?-98?9'?94+0;'0'0-* A'GB*:I

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G&3 '$# '& HQ'('"/!>' 3(9!')' 0! / 2/.&9!'5&/ /"/5)"9.'5 3'' ,'""-' " -! 29"(')5 3'' "3!!')' #8$3 /'&.#"/!

4 ! ' 2/ ! ! 4 /7/0 =' ! ' -' 8,6 ,' 8760/=' 9#2'5 0/056 2/' 5 , : ; ,*+' 2 60*' 4/*,-.03' 8,6.' 60*3/, -' ' 7 60/*760' 2/' ?0/=' "/"'!-' 2112-,60' +0*0/7 =' 52 : 124*3' -2 : 06, : 0-' 71107/,*+' -, : 1 0' ;=' 6.0' -411/0--,2*' 2' 6.0' 760/7' 07 06-J' .'$#3!'' -2 : 06, : 0-' 8,*+03J' &$#.9!'& 5734524-' 2/' 2 60*' $' 2 8 ' ' 2/' 12 =+7 : 2 3,202,24-' /750 : 03' 2/' 17*,5 03' 103,50 -' ; /75602 760' 76' 6.0,/' ;7-0' 6.0' 280/' 2 60*' 5.7*+03',*62' 60*3/, -' .' 2 'E *-47 =' 4*0>47' -017 -' 6.0' T' 12-60/,2/' 2 60*' 4*,603',*' 2*0' 7 ' : 2/0' 2/' 0--' 52**760' 00-6,?76,2*' , : ; /,5760' 1' 0-.=' /00' 2/' ,*,*+' 6.0' ;7-0' 2' 6.0' 57 =G' -2 : 06, : 0PP' /0+4 7/' 2/ : ,*+' 7*' 0*6,/0' /,*+' 2/' 2 ;03' ; 06800*' 6.0' 1067 - 7*3' -67 : 0*-' -2 : 06, : 0-' 4*, 760 7' -.2/60/' 2/' 87*6,*+' 76' 6.0' 12-60/,2/' 17/6' 2' 6.0' 280/' 1/2 2*+03' 7*60/,2/ =' ,*62' 7' 7 : ,*7' -2 : 06, : 0-' 324; 0' 2/' 3,?,303',*62' + 7*3-' 2112-,60' 62' 6.0' 1067 -' 2 ' $' 2/' ,*-0/603' 246-,30' 6.0' 3,-9' 7 60/*760' 8,6.' 6.0' -017 -' 6.0' 12-60/,2/' 2 60*' 87*6,*+' 6.0' 26.0/-' 0>47' 2/' 4*0>47' , : ; /,5760' 2/' /7/0 =' -4; ?7 ?760J 5 78' ?0 ?06=' 2/'+ 7*34 7/' 8,6.,*' 4/*,-.03' ,*' 7' 6.0' 1067 -' 2/' 6.0' 7*60/,2/' 2* =' 8,6.' 7' .22303' 2/' 5/0-6 ,90' -57 0' 8.,5.' 2 60*' 60/ : ,*760-' ,*' 7*' ,* 0G03' 7110*37+0' - ' 4-47 =' &' -2 : 06, : 0-' $' /7/0 =' E' D?0/=' /7/0 =' T' %' T' 2/' 22F' 4-47 =' ,*-0/603' 8,6.,*' 6.0' 3,-9' /7/0 =' 2*' ,6-' 03+0' 2/' 7624*3' ,6-' ;7-0' 2 60*' 0G50*6/,5' 2/' 4*, 760/7 J' :#!/ '8$&' , , 2/ : -4;4 760' /00' 2/' 4*,603' 76' 6.0' ;7-0' 0>47' 2/' 4*0>47 J' /8$%'"& ,*6/2/-0' C32/-, ,G03' 30.,-50*50' 2*+,643,*7' ? ' /00' 50*6/7' 2/' 0G50*6/,5' 7' ,66 0' 2; ,>40' (' D/7/0 =' T % F' 50 03J &$-!'' 60/ : ,*7' -, : 1 0J &$#7 /&' 7-' : 7*=' 7-' 50 -' J 3(9!'& 7*76/2124-' 2/' 57 : 1=' 26/2124-' ,*-0/603' 76' 6.0' 7*+ 0C' 2' 6.0' 50 -' 4-47 =' -2 ,67/= ' -2 : 06, : 0-' +0 : ,*760' 4-47 =7-50*3,*+' 8,6.' 7' ?0*6/7' /71.0' 7*3' ,* 0/,2/' : ,5/21= 0' ?0/=' /7/0 =' *4 : 0/24-' 7*3' .2/,M2*67' 2/' ,*?0/603' 4*,5 0' 2 60*' -82 0* # 2 ' T' (% 50 03' 2/' 50 03' ; -411/0--,2*' /7/0 =' E < 50 03' G13)383'/ J -2 : 06, : 0-' 7' 8223=' 52/,75024-' 2/' : 0 : H ; /7*24-' 254 ,5,37' -016,5,37' 2/' 5,/54 : -5,--' 571-4 0J' -2 : 06, : 0-' -7 : 7/7-' 8,*+03' 2*' 6.0,/' ;759' ; 7-0' 2/' 621' 4-47 =' ,*30.,-50*6J' -2 : 06, : 0-' 7' 3/410' 2/' ;0//=' + 2 ;2-0' 2/' 52 : 1/0--03J' $'&$/' 5/4-675024-' 2/' : 0 : ; /7*24-' -2 : 06, : 0-' 8,*+03' 2 60*' 7/, 760' 2/' 7/+0 =' 4 : ; , ,5760' " - ! ' 0G7 ; 4 : ,*24-' /7/0 =' -6/7,+.6' 2 60*' ; 0*6' 2/' /2 03',*62' 7' 0/2M,0/J 23$-!')38&' ,*54 : ; 0*6' -2 : 06, : 0-' 6/7*-?0/-0 =' 2 303' /0>40*6 =' 52* 40*6',*62' 7' 0-.=' : 7--' J "/)#2!'' 75,*+' 6.0' ., 4 : ' 4-47 =' ,* 0/,2/' ?0/=' /7/0 =' -410/,2/

b @> 08=98?# +8 >9?* *;=: 9;98*0 />.#8)/2' *4408= ;:+0+79 *@+7082?0 +79 2 9;98* *;+*8@ ;.)1

4; 2/30/ , , B 67:0*-,*-0/603 8,6.,*6.0 3,-9 7/24*3 6.0 ;7-0 2 6.0 2 C7/= 2/4*,760/7 003-0G7 ;4,.,*2* 07?0-/7/0 = 2112-,60

 280/-4-47 =,//0+4 7/7*3%1067 24- ,-9 4*,760/7 2 ?0/= 2;,>40

P ?4 0-2,67/= B "(#!%/5 '" /8#/5 39!#'#/5 /")#3&.'" 9 5 /<!!#8#/5 , #7-"3&/5 "#37!3&&$ 5 2% F!2!$/5 "5

P P ?4 0-T 2/:2/0,*6.0 50 - B*2'!"'9$'"#/5 3&&#78#/5 &'9!9&5 878/)#/5 $32%&#/5 1#.!3.'!$#&5 +/738#/5 5

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_ ?4 0 4-47 =-2,67/= /4,6 571-4 7/ B 9./8#/5 %39#8#/5 +/$38#/5 $/!/-/5 =25

_ P ?4 0 -2,67/= /4,6 ,*30.,-50*6 *26 2;03 B /!#&#/5 #..9%"3 9&5 +'!#23'2/5 2%!'#2 #'"/

P P P ?4 0-2,67/= /4,6,*30.,-50*6 3001 = 2;03 2/2 &'3322# A D#.#8)9&5 9.%3"#/5 /.9"/5 /..'/5 1'#8,3!!#/5 3 '$#/5 '.%'!#9 5 '$'"3)'8)"38 4

6 U- ?4 0-T 2/:2/0 B /".9!!#/5 N -.'!/$'5 /8$%33'"/&5 !/7<83/

4; 2/30/ 5 6 , B 280/-/0+4 7/ 017 -7*3 1067 -D8.0*'1/0-0*6F,-2:0/24- 67:0*-?7/,24- =,*-0/603 ?7/,7*50 - BT ?4 03 /4,6 8,6.,*30.,-50*6 2;0- 003- 0G7/, 760 7 ;4:,*24- 07?0-2112-,60 00 2/30/ 2'"#8'2'5 1 3

4; 2/30/ ! G 5(0 280/-/0+4 7/ 017 -7*3 1067 -D8.0*'1/0-0*6F,-2:0/24- ,-9 $ 2/52:1 060 67:0*-,*-0/603 46-,30 6.0 3,-9 D8.0*'1/0-0*6F 2/;068 00*,6- 2;0- ?7/,7*50 - T 2?4 03 /4,6 ?7/,24- 003- 7;4:,*24- 07?0- ?0/= /7/0 = 2112-,60 13)38 /5 !'3$"-385 #&$#2%3&$' #5 $'"3?-%85 !(/")'/5 #$38#/

4; 2/30/ 8 5 0 280/-,//0+4 7/ 67:0*-,*-0/603 8,6.,*6.0 3,-9 .=12+=*24- 003- 7;4:,*24- :;/=2 -6/7,+.6 07?0-2112-,60 00 2/30/ + '!#/8$%'A5 1 (E&

4; 2/30/ 7? , B 280/-['/0+4 7/ 67:0*-,*-0/603 246-,30 6.0 3,-9 76 ,6- ;7-0 003- 7;4:,*24- :;/=2 -6/7,+.6 07?0-2112-,60 00 2/30/ $/.%-!'/2'2.5 1 (%% 5 " :

.,- 7:, =,-?0/= 5 2-0 = 7 ,03 62 2'"#8'/ 7*3 +/!.#7%#/2' 5 7- 80 7- 62 #..32/&$/8''' 7*3 $/.%-!'/2'@? D-00 6.0-0 7:,,0-F 6.7- 0>47 = 7* 7 ,*,6= 8,6.' + '!#/8$%''' 5 8.,5.' 2* = 3, 0/ ,*6.0,/ 7;4:,*24- -003 ./24+.' $/.%-!'82'2 ',6 ,- 7 -2 52**05603 8,6.' '!/&$"#8'/ .46 ,- 3,-6,*+4,-.03 /2:6.0:' ;= ,6- +0*0/7 = 52:124*3 07?0-2 60* ,//0+4 7/ 280/-/7/0 = ,- -60:2*24- 1067 - -67:0*- ,*H -0/603 8,6.,*6.0 3,-9 C 57 =G 8,6.' /00 -017 - 7*3 +0*0/7 = 54/?03 0:;/=2

/.#8)/2'2" 7;24*3 ,* 6/21,57 /0+,2*- 0-105,7 = ,* :0/,57J 6.0= 7/0 /7/0 ;0=2*3 6.0 6/21,5 2 71/,52/*7*3 .7?0 *26 =06 ;00* 2;-0/?03 *2/6.'>6.0 6/21,5-0G5016 ,* 6.0 2/6.'2 .,*7 7*3 ,* *3,7 G /8$%32'" 'PFJ 13)382'/ 7;24*3- ,* 4-6/7,7

/.(8)/3'/# 12--0- ?0/= ?7/,24- 1/210/6,0- 7*= 52*67,* 7-6/,*+0*6 7*3 .,660/'1/,*5,1 0- -2:06,:0-

; 79A'*89 ;?98+9=0@+? =9 +79 = ?F ;'13)38//'*;= U *3'!"'9$'"#/5 $32%&#/5 6878/)#/5 /")#3&.'" 9 5 0+798 @;=0@>+9= /.#8)/22< 1 ; *;= /.#8)9&'0 98 0+798 9549C+0;? S

52 : ,,*03 8,6.' 7 /0-,*24- : 7660/ 7*3 7 50/67,* >47*6,6= 2 ?2 76, 0 2, ' .0 ;0//,0- 2 -0?0/7 -105,0- 7*3 6.0 7/, ' 2 '26.0/- .7?0 7* 7+/007 ; 0 67-60 ' 28,*+ 62 6.0 : 45, 7+0 -4+7/ ' 7*3 /00 75,3- 8 .,5. 6.0= 52*H 67,*J 8 ., 0 26.0/- 12--0-- *7/526,5 1/,*5,1 0- 8 .,5. /0*30/ 6 ,0,* 0 : ,*0*6 = 12,-2*24- .0 -003- 2 : 2-6 =,0 3 7 ,G03 2, ' ; = 0G1/0--,2* .0 ;7/9 /226 7*3 14 1 2 '6.0 /4,6 2 '6.0 271 /00 G /.#8)#$& /.38/"#) 7/0 /0+7/303 7- 62*,5-J ;0-,30- 8 .,5. 6.,- 14 1 ,90 6,,76 2 ,6- -,76,5 52*+0*0/- /26.- 8 ,6. .26 8760/ ,90 -271 7*3 ,- 4-03 ,* 87-.,*+ ;0,*+ -7,3 62 5 07*-0 : 2/0 ,*0* 6.7* -,G6= 6, : 0-,6- 80,+.6 2 -271 .0 ;0//,0- 2 &'8'-/!'8&#& 7/0 -24+.6 ; = 6.0 *0+/2- 2/ 6.0,/ -4+7/= 7*3 ?,*24- 67-60 .0 -4554 0*6 7*3 80 67-603 7/, ' 2 ' + '!#232'/ -0/?0- 7- 223 ,* -,7 7*3 : 0/,57 7- 80 7- 6.76 2 '6.0 900 D !#-%#/ 2/ 9./8#/'&).#)) 5 7* /,57* 1 7*6 54 6,?7603 2?0/ 6.0 6/21,5- 2 ' ;26. 82/ 3- .0 /4,6 522903 8,6.' -4+7/ 7*3 5,**7 : 2* ,- 6790* 2/ 3=-0*60/= 7*3 8.0* /27-603 ,- 711 ,03 62 ,*32 0*6 64 : 24/- .0 -105,0- 2 '6.0 +0*4- '.%'!# 8 /7*9 .,+. 7 : 2*+ -,76,5 /4,6-J #$2!) D ,65.,F 38-/88 D 24+7*F !/../''9 D 7 : ;467*F 7*3 6.0,/ 52*+0*0/- 7/0 54 6,?7603 2/ 6.0,/ 0G50 0*6 /4,6- 8 .,5. 7/0 4-03 ,* ,* 7 : : 762/= 7*3 ; , ,24- 0?0/- .0 '" /8#$& 7*3 6.0 /9!!#8#2'5 : 0/,57* +0*0/7 7/0 12,-2*24-J 6.0 /7M, ,7*- 4-0 6.0,/ 4,50 62 -6410 = ,-.'J 7*3 ,6 ,- /2 : 6.0 280/ 2 '" /8#/ !'$%/!#& $Y#/ 6.0 05.04 >47*7 ;00 52 056- 7 *7/526,5 75/,3 .2*0= 2 8 .,5. 7 - : 7 >47*6,6= 1/23450- /7?,*+ : 73*0-- 7*3 0?0* 3076. .0 4,50 2 /9!!#8#/ 9"9"9 ,- 4-03 ; = 6.0 -7?7+0- 2 4,7*7 62 12,-2* 6.0,/ 7//28-J 6.0 *0+/2 - 7?0- 1/017/0 7 12,-2* 8,6. 6.0 /226 7*3 -003- 2 .#88/$/J 6.0 0G1/0--03 4,50 2 ,6- 07?0- 4/*,-.0- 6.0 /7M, ,7* *3,7*- 8,6. 7 1280/ 4 ?4 *0/7/= .0 -003 2 &3"%#!#& ,- ;,660/ 7*3 7-6/,*+0*6J 6.0 /7M, ,7*- 1283 0/ ,6 7*3 : 790 ,6 ,*62 7 17-60 57 03 -9/"/8/ ;/073 8 .,5. 6.0= /2 ,*62 ,66 0 ;7 - 2/ 5= ,*30/-J 2* 6.0,/ 24/*0=- 6.0= 3, 460 6.,- 3/,03 17-60 8,6. -4+7/03 8760/ 8 .0* ,6 2/ : - 7 /0 /0-.,*+ 7*3 0;/, 4+0 3/,*9 _ 6 280- ,6- 1/210/6,0- 62 7 1/,*5,1 0 -(?#"/8'8 5 ,30*6,57 8,6.'6.0,*0 B " : /")#3> &.'" 9 /!#2/2/%9 5 7 .0/; +/28,*+ 6./24+.246 6.0 6/21,5- 1/23450- 7 : 4524- *74-024- /226 62 8 .,5. 710/,0*6 7*3 ,6.2*6/,16,5 ?,/640- 7/0 766/,;4603 _;46 ,6- 07?0- 7/0 522903 7- 7 ?0+067; 0 ,* 6.0 2 4557- 5 " : 13)38$&/ 280- ,6- -50*6 62 7 /0-,*24- 1/,*5,1 0 8 .,5. 0G430- /2 : ,6- 07?0- 7*3 571-4 0-J 6.0 07?0- 2 '1 ' (#/23&/ 7/0 4-03 2/ ;76.- 7*3 2 : 0*676,2*-J ,6- -003- 7/0 03,; 0 ' _ .0 / ,'% 7*3 @#33./ 2 7 7557 -105,0- 2 #'"/")#/5 7*3 6.0 / .9# D ')-2/".9& /!/-/89# =,0 3 0-54 0*6 3/410-J 6.0-0 +0*0/7 .,6.0/62 /0+7/303 7- 41.2/;,75024- .7?0 /050*6 = ;00* /0 0//03 62 /.#8)/2'2 .0 -003- 2 6.0 8, 3 /4*0 + 246. /,57 G 3..') 7;24*3 ,* 2, 7*= 1/23450 : 2-6 ?7 47; 0 6,: ;0/ 7*3 6.0 -6/4564/0 2 6.0 8223 2 : 7*= 5 , : ;,*+ -105,0- ,- : 2-6 /0 : 7/97; 0 .0 /,57* 079 G !) #'!)#/ /:"#'/8) 5 324;6 4 6= 1 7503 ,* 9.%3" /''2'5 ,- /0 0//03 62 /.#8)/''$& ;= 40 0/ .0 8223 2 $'"3?-! # 9$#!'5 2 246. /,57 ,- .7/3 7*3 7- .7*3-2 : 0C7- + /%37/8-E ,6- -7834-6 574-0- -*00M,*+ 8.0*50 6.0 710 *7 : 0- 2 0,-.246 7*3 *00M08223 !#..3)"3 9&/!/$/5 2 6.0 -7 : 0 524*6/= 7 -2 =,0 3- 7 ?7 47; 0 6,: ;0/ B(" :

3 3 ' 8#)]

$ 4 ! --,+ B 4 1 5 $ 4 #8)!

2 ' @(D4 %-.37-8+&5 # ,"#2/$'5 &3 5'$# '& ' - ' 'M9/!' 3' 3"' #8 89 ,' $%/8 $%' .'$/!&' % ' H>!3,')5 3:'$<3 H>3(9!')' 2'!!&E &$-!' 2'8$"/!' % ' .'8)9!39&5 29"(')' ' 2 ' /' &/ /"/' " - ! ' '2$/!,9 #839&E 23$-!')38&:3!)')' 3' 238K (3!9$'E "/)#2!')'&2'8)#87 5 -' <33)-' ' 3..3&#$'

' 8,6.' -4+7/=' 4-47 = ,:1,3' ;46 -2 : 06,: 0-' :,9= 4,50J ,9)& -57 =' '2112-,60' 106,2 760' 4-47 =' -,: 1 0J 17 :, *0/?03 7*3 2;03' /7/0 =' 0*6,/0 2/ ,: 17/,1,**760' 07 06- 106,2 4 760J &$#.9!'& =' " 8 ' 2/ 2 60*' 12 =+7 : 2 ' 3,505,24-' /0+4 7/' ,*' 7 -,: 1 0 2/ 52 : 124*3 /750 : 0 2/ 52/= : ;' 7G, 7/='2/ 60/ : ,*7 J .')#2'!& 8,6.' 7 5734524-' ;/756' .' % E ' D/7/0 =' < & F 17/6,60' -0+ : 0*6-' 2 60*

52 24/03 ' , : ; /,5760 ' 305,3424- ' 2 ' % E' 2/' $ ' 2 60*' -017 2,3 ' ,*-0/603' 2*' 6 . 0' 03+0' 2 ' 7' /00' 3,-9' -4G /24*3,*+' 6 . 0' ;7-0' 2 ' 6 . 0' 2?7/=' - . 2/6 =' 5 7803 ' 0-6,?76,2*' , : ; /,5760 ' - ' ,*-0/603' 8,6 . ' 6 . 0' 1067 - ' 0>47 ' 2/' : 2/0' *4 : 0/24- ' % T ' 2 60*0/

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&J' :#!/ '8$&' , , 2/ : ' /00 ' -2 : 06, : 0-' ?0/=' - . 2/6E' /8$%'"& T 50 03 ' ,*6/2/-0 ' 2 ; 2*+ ' ;7-, ,G03' 2/' ?0/-76, 0 ' 30 . ,-50*50' 2*+,643,*7 ' % ' /00 ' -0--, 0 ' T 50 03 ' T 2 ;03 ' 52 : 1/0--03' 10/10*3,54 7/ =' 62' 6 . 0' -0164 : J &$-!'' 50*6/7 ' -4 ; ;7-, 7/J &$#7 /' ; , ,3' 3(9!'&' T' ,*' 6 . 0' 50*6/7 ' 7*+ 0' 2 ' 075 . ' 50 ' -410/, : 12-03' 2/' 52 760/7 ' 10*34 24- ' 57 : 1= 26/2124- ' " ' 2 ' T' -7 : 7/7-' 2/' ' D/7/0 =' T F' -00303' 5255, ' 1/2 2*+03' , *62' 7' 32/-7 ' 52/,75024-' 2/' : 0 : ; /7*24-' 8,*+' /06,54 760 ' 7*3' /0 : 7,*,*+' -4-10*303' 62' 7' 57/121 . 2/0 ' 7-' ,*' , '!!#:#'"<' ' 7-50*3,*+J $'&$/' : 0 : ; /7*24-J '8)3 . !'9"/

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50/ 0+4*32 2;,*07

''"#8'2&5' /0+7/303' ;=' 0*6;7 :' 7*3' 2290/' , ' 7-'7' -4; 2/30/' 2 ').#8)92'2'' D-00' 1' (EEF' 2* =' 3, 0/' /2 :'6.0-0' ,*' 6.0,/' 7 87=-' 2112-,60' 07?0-' 7*3' *2* 7110*3,54 760' 1067 -' 7*3',*' 6.0,/' 2557-,2*7 .#6/,*,0/24-' $#8#$D 2'".&'9)3> !/$/ 2& 57-',*' : 2-6' /.#8)/2'/' !#..32/&$ #'2'2 !-'3, 0/' /2 :' ,*' 6.0,/' 571-4 0 A8,6.' -0 : , -016, 0/24-' ?7 ?0-J 7*3' 7/0' 4/6.0/' 7 ,03' -,*50',*' ;26.' 2/30/-'6.0' ;43-' ;07/' ;26.' 07?0-' 7*3' 280/-' 2/'6.0' 7 ,*,6=' A8,6.' + /!.#-%#/2'2'' -00' 1' ($

2'"#8'/',*.7;,6' *2/6.0/*' 60 : 10/760' /0+,1*-' 7*3' 0-105,7 =' !717*'6.0' , : 7 7=7-' 7*3' 07-60/*' 2/6.' : 0/,57' .0' 54/,24-' +0*4-' 13,#8'/5 8 .,5.',-' 1 7503',*' 2'"#8'2'5 ,-' , : 7 7=7*' J _,6' .7-' 71067 24-' N' 280/-' 8,6.246' 7' 3,-9' 7*3' 7' 2*0 50 03' 2?7/=' 8 .,5.'/,10*-',*62' 7'-: 7 ';/273 = 8,*+03' 75.0*0 B %U%

2'88'2'' 52*67,*' 7' -4+7/=' -71' : , 9=',*' -2 : 0' , : 1,3',*' 26.0/-' 8 .,5.',-' 2;67,*03' ;=',*5,-,2*' 2'6.0' 6/4*9' 7*3',-' 0,6.0/' 0?712/7603' 2/' -4+7/' D6.0' 71 0' 4+7/' 2 ' 7*737F' 2/' 7 2803' 62' 0/:0*6' 7*3' 6.4-' 2/:'-1,/,6424-' 2/' 75,3' ,>42/-' .0,/' ;7/9',-' 7-6/,*+0*6' 7*3' =,0 3-' /033,-.' 2/' 0 28' 52 24/,*+'1/,*5,1 0-' _ .0' 8223' 2'?7/,24-' -105,0-',-' 2 '+/076' ?7 40' 0-105,7 =' 6.0' ,/3C- 0=0' 71 0' o ' : 0/,57 B %U

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8:9' 08' ?B ' ' / +7' ?4* A' >@=?' ' 0CC0?+9' b* +98;*+9' ;' 878/)#/ 1 ;]#' :9;98* A' = : +*+9#' 8*89 A' BC*8 C ;;*+9#' Y/+7' +00+79=' 08' 489;*+9' 9* 9+?' &$#.9!'&' ' " 8 ' \' 08' C0 A:*B0@?#' ;' 8*49B9?' 08' +98B ;*' +7A8? ' .' 4*BC*;@ *+9' 08' +@>@ *8# =# 0>9?' @;9R@*' # B>8 4*+9' 2 ' # ;?98+9=' 0;' +79' 8949C+*4 9# @;9R@*' # 4 */9=# ;0+' *CC9;=4@ *+9#' B>8 4*+9' " . ' 7AC0:A;0@?# 9;+ 89# *;;@ *8' 08' @; *+98* ' - ' # @?@* A' O# ;?98+9=' / +7 ;' +79' = ?F# *;=' 899' %:#!/ '8$& 08B# 95?98+9=# *?49;= ;:/8$%'"& 49 9=# =97 ?49;49' 0;: +@= ;* ' % '?9?? 9# 0> 0;:' 08' *;490 *+9# 0 'M 0-@ 9=' 49 ?' &$-!'' 40; 4*' 08' 08B' &$#7 /' C0 ;+9=' 3(9!'& 4@8-9=# 59=' +0' +79' 49;+8*' *;: 9' 0' +79' 49 # ?@C98 BC0?9=' 08' 708 <0;+*# 08' 0;9' *?49;=;:# +79' 0+798' C9;=@ 0@?' !' 408 *E 490@?# ;*F9=' 08' ?C ;0@?# M 49 9=' 08' H 49 9=' >A' ?@CC89?? 0;# 04@ 4 =* # -* -9?' ?9B ?9C+ 980@?' ' @?@* A' ?0 +*8A' ;' 9*47' 49 '' $'&$/' 408 *490@?# ?7 ; ;:'' %#!9 '>*? *8# *8:9' & - ! ' 95* >@B ;0@?# 4@8-9=' 23$-!')38& *8:9# +7 4F# 9?7A# 0 +9;' B089' 08' 9??' 40; @9;+' "/)#2!'' ?708+# ;9*8' +79' 7 @B

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.0' ,66 0' +/241' 2' #..39/&$/8'2'5 8 .,5.' 0?,30*6 =' ;0 2*+-' 62' 6.0' 7 :, =' 2 ' /.#8)/2'/#5',-' 2* =' 3,-H 6,*+4,-.03' /2 :'6.0' 7660/' ;=',6-' 2112-,60' 3,+,6760' 07?0-' 7*3' 6.0' 2?4 03' 2?7/,7*' 50 -J 7*3',6' :4-6' 4/6.0/' ;0 2;-0/?03'6.76'6.0'+0*4-' 878/)#/5 1 7503';=' ;267*,-6-'*07/' A&2#)9&5'.7-' 7 60/*760' 7*3',*,17/,' 1,**760' 07?0-' 8 .,5.';/,*+',6'-6, '*07/0/' 62' /.#8)/2'2'' 2/'6.0'7 ,*,6=' 8,6.' 2'"#8' '5-00'6.,-' 7:, = #..32/&$/8'1''" 7/05.,0 =' 2/6.' : 0/,57*' 0G5016' /&:+8'!!/'_8 .,5.',-'*26'/0 0/7; 0' 62' #..32/&$/8'2'5

A *5 4303',*'6.0' f 0*0/7 7*67*,:'#,*' /.#8)/2'2'5 8/)#/';0,*+' 7 60/*760',*?7 ,3760-' 6.0' 2*=' 5.7/7560/' 8.0/0',6' 320-'*26' 0?0*' 2/:'7'6/,;0' J 6.0' 07?0-'2' 87K 3,-6,*+4,-.,*+',6' /2 :' /.#8)/2'2'' 1/210/ B *

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,*',6-' /0-6/,5603' -0*-0S' 8.,5,';02*+-'62' 08' /0*737J'2*0'-105,0-'6.0' 2/-05.0-6*46' DA a' #..3>'
2/&$/89 ',-'54 6,?7603',*' -,7'7*3' 4/210'_;46',6-'2/,+,*',-'8.2 ='4*9*28*' .0/0'7/0'7-2'682' *3,7*'
-105,0-'2*0' ,:77=7*'7*3'6.0' 26.0/'6/21,57' 24*3',*' ,.06'7*3' --7: B" :' .0' ;7/9'2'6.0'
2/-05.0-6*46'52*67,*-' +7 ,5'75,3'7*3'7' ;,660/'1/,*5,10'8.,5.' :790',6' /,?7'7-'7'62*,5'6.76'2'6.0'
O, 28J',6-'-003-'6.0'67-60'2'8.,5.',-'76'2*50' :,3'7*3';,660/'7/0'/,5.',*'-67/5.'7*3'7/0'+,?0*',*'
4/90='62';/290* 8,*303'.2/-0-J/034503'62'12830/'6.0='-0/?0'7-'-271J/27-603'6.0='7/0'4-03'7-'52, 00J7*3'
0/:0*603'6.0='=,03'7'-1,/,6424-',>42/'8.,5.'=,03-'752.2';=' 3,-6, 76,2*J6.0'=24*+'7/2:76,5';43-'
.7?0';00*'0:12=03',*'1750'2'6.0' 21',*'6.0':7*4 7564/0'2';00/'_.0' /4,6'7*3'07?0-'2'6.0' :0/,57*'
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! ! 4' : *>8O@?'# : *@40@?' O8' /7 + ?>' ' * +98;*+9#' ?+ C@ *+9#' BC*8 ' C ;;*+9#' 9* 9+?' @;9R@ *+98*#' +OO+79=#' =94@889;+' &$#.9!'&' #' 899#' O8' @; +9=' ;+O' O;9' 98A' *8:9#' ;+8*C9+ O *8' O 8 ' 6#' ;' 5 *8A' *;=' +98B ;*' 8*49B9?# ?7O8+ A' C9= 49 9=# >8*4+9*+9#' +79' O/98' ?0B9+ B9?' *C9+* O@?#' / +7' ' 98+ 9' *;=' ' ?+98 9' ?+*B9;?' .' 40BC89??9=# O ' ' @;9R@*' ?9:B9;+?#' +79' ;;98' -98A' ?7O8+#' = ?+*;+#' : >>0@?' >9 O/# 7OO=9=' *+'+79'+0C' +79' O+798?' *;490 *+9#' *+' +79' +/O' @CC98' *8:98#' 4O-98 ;:'+79' *+98*' ' 2 ' # 9549;+8 4' G+79' +7' B ;@+9' O8' I# ?@>C98 ' :A;O@?#';*88O/# O;: 4*/9=# 4O++O;A' ;' +79' B == 9' 1' +7 4F9;9=# @; *+98*#' ; ;:'+79' : >>0@?'>0++0B' O'+79' 4* A5#*;=' = ?+ ;:'*;'*>@;=*;+';94+*8' -

P' -4; 2/32/' 2' "#.)/2'/E' -00' 1' (E(5 "

7AC0:A;0@? ;?98+9= / +7 ; +79 = ?F ;9*86D. 49;+8* = =A;*B0;? *;= * ++ 9 ;4 ;9= /8$%'"& ;+8O8?9 49 9= 0-0 = 0> 0;: =97 ?49;49 0;: +@= ;* % 0> 0;: 0>9= 49 9= &$-! 49;+8* *8479= ?+@ *8 @880 / 9= &$#7 / +00+79= 3(9!'& ;'9*47 49 ?98 *+9 0; +79 ;;98 *;: 9 *>0-9 +79 B == 9 *?49;= ;:08 708 <0;+* *;*+8OC0@? C*C98A =99C A 0>9= / +7 H ?99=9= 49 ? 0C9; ;: -9;+8* A * +79 +0C ! ?@> : 0>0?9 / +70@ *8 $'&$/ 48@?+*490@? ?7 ; ;: %#!9 40; 4* 0-90 *+9 /!,9 '8 40C 0@? 9?7A 08 708;A " -! ?B* :899; 23$-!')38& ;9*8 0> 0;: "/)#2! +7 4F9;9= *+ +79 + C

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.0 +0*4- + '!#/8$%9&5 8.,5. 87- 2/:0/ = 1 7503 ,* [-73.%-!!'/5 ,- -017/7603 /2: ,6 ;=,6- ,//0+4 7/ 7*3 /750:03 280/- 10/,+=*24- 7*3 ,-2-60:2*24- 1067 - 7*3 7-50*3,*+ 2?4 0- 6 ,- 2* = 3,-6,*+4,-.03 /2: /.#8)/2' ;=,6- 7;4:,*24- I -003J 7*3 ,6 .7- 6.0/0 2/0 ;00* 7**0G03 62 6.,- 7:,= ;= 7*5.2* 7*3 0*6.7: 7*3 2290/ 62+06.0/ 8,6. 6.0 +0*4- '"&/ /5 8.,5. 3, 0/- ,* ,6- 2 60* 12 =+7:24- 280/- ,6- -67:0*- 7 D2/ 68 2 2* =F 4*,603 76 6.0 ;7-0 ,6- 2*0 2?4 03 2?7/,7* 52 - ,6- 571-4 0 8,6. 24/ -0:,-016,0/24- ?7 ?0- 7*3 ,6- 7/,760 -003- _ .0 /0:7/97;0 7*3 ;0746,4 767 +0*4- "'-#/ ,- /0 0//03 .0/0 ;= 0*6.7: 7*3 2290/ D 0* 1 $$$F 7*3 6.24+. 0G-6,1* 760 ,- /0+7/303 7- 7 :0:;0/ 2 + '!#/8#%'' 8,6. 17/6,7 = 52*-2 ,37603 57/10 - 8.,5. ;0,*+ 4*,603 ;= 6.0 :7/+,*- 2* = 0*5 2-0 2*0 50 8,6. 17/,067 1 750*67- .0 /4,6 ;/079- 41 ,*62 ,?0 2 ,5 0- B * S

+ '!#/8$%9&,*.7;,6- 246. /,57J 2*0 -105,0- .7- ;00* ,*6/234503 ,*62 217 _*2 324;6 ,* +7/30*- 2* = .0 8.2 0 1 7*6 .7- 7 /0:7/97;= .07?= -:0 B * S

.0 -4+7/= ?,*24- *0567/ -05/0603 ;= 6.0 3,-9 2 + / 3 ,- :45. -24+.6 ;= 52 2*,-6- 7*3 *76,?0- 2 6.0 710 .76 2 + #83 ,- 6.,590/ 7*3 0-- 0-600:03

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L ! 08 4 9894 08 ?4*;=9; 08 ?*8B9;+0?9 / +7 / *+98A D@ 49 : *>80@? 08 / +7 ? BC 9 7* 8? * +98;*+9 95?+ C@ *+9 ? BC 9 08 C ;;*+9 9;+ 89 08 ?988*+9 C9;;98-9= 6 3 -*8 0@? @?@* A C*;4 9= 0 8 :08 C0 A:*B0 = 494 0@? ?B* 08 B ;@+9 . C*8+ +9 B>8 4*+9 ;>@= 2 9R@* 08 @;9R@* ;?98+9= 0;+79 8949C+*4 9 * +98;*+9 / +7 08 0CC0? +9 +0 +79 ?9C* ? B>8 4*+9 ;>@= 1 ?B* *;;@ *8 0>9= 8*89 A +@B = - ;?98+9= *+ +79 >*?9 08 0;+79 +0C 0 +79 = ?F 0CC0? +9 +79 C9+* ? 899 08 *=;*+9 +0 +79 C9+* ? 8*89 A * 9R@* *;= 98+ 9 / +7 +7 4F *B9;+? 0 +9;0CC0? +9 +79 ;;98 ?B* 98 C9+* ? C98 94 / +7 4 *-*+9 08 0>4@;9*+9 *B9;+? *;= M *;+798 9?? ?4* 9 F9 /8$%'"& = =AB0@? ?9C*8*+9= >A * +7 4F 40;;94+ -9 08 =97 ?4 ;: +8*;?-98?9 A 08 >A * =94 =@0@? 4* AC+8* .3!!'8 B ;@+9 : 0>0?9 % ?9?? 9 M 49 9= 40BE C89??9= 08 M 0>9= &$-!'& 40;*+9 08 40798 ;: / +7 ?+ :B*+ 980@? + C? 08 &$#7 >/& ? BC 9 ?9?? 9 0;+79 0>9? 0 +79 0-*8A 3(9!'& H ;9*47 49 40 *+98* 08 ?@C98E BC0?9= 708 <0;+* 08 C9;=@ 0@? 8*C79 -9;+8* B 480CA 9 ;98 08 89B0+9 80B +79 @;4 9 0 0 H 08 =8A 08 =8@C*490@? ;=97 ?49; 4*8C9 ? 0 +9;?@> : 0>0?9

$/.%.%/ .7?,*+7;,,:,*2,,-003 52:1 060 = 4*,60- 6.0-0 7:,,0- B .,- 2/30/ ,- 2:,6603 ,* 6.0 2/,+,*7 B

+0C @?@* A =9 959=# 40BC89??9= *;= 89; 08 ; / ,#/É '8)32/". 48@?+*490@?0 8 >0;A# ?99=9= = 40BC89??9= 08 ?@> : 0>0?9# *=;*+9 >A *>80*= > @B +0 + 9 >*?9 0 +79 49 " $'&$/ B9B>8*;0@?0 8 408 *490@?" /!,$# '8 # 08 *+7 ; *A98 *=;*+9 +0 +79 +9?+* / +7 +7 4F 8@:0?9 08 B9B>8*;0@?0 40;+08+9= 23$-!')38&5 *;= *; ; 98 08 4@8-9= "/)#2!" C0 ;+ ; :@C / *8=?+0 +79 7 @B

7;,7 0,2-:7 #.2G7*6 4,- 1,267/=2*

-:7 ;46 80 30,*03 2/30/ 2 24/ +0*0/7 7*3 7;246 6;,/6= 682 -105,0- 3, 0/,*+ /2: ,6- 7 ,0- ,*6.0 ,-2:0/24- -67:0*- 2112-,60 6.0 1067 - 6 - /0 7603 62 '"'%#8$%/2''" & # /. #N/''/5Y YY$ 3, 0/7 /2: ;26.* 26 2* = ,*6.0 7;2?0 5.7/7560/ ;46 /2: '"'%#8$%/22#& ,*6.0 7 87=- 08 -67:0*- 7*6.0/- ,7H :0*6- 682 2?4 03 2?7/,7*50 - 7*3 30 0G03 57/10 -J 7*3 /2: /.#8)92'/# ,*6.0 -.2/6 -67:0*- *0?0/ 0,+.6 ,* *4:;0/ 8.,5 7/0 *26 305 ,*760 /%#/ ,- ?0/= /0:7/97;0 2/6.0 2112 -,6,2* 2 ,6- ;/756- -017 - 1067 - -67:0*- 7*3 2?7/,7* 57/10 - 8.,5 ,- 10/.71- 4*,>40 ,*6.0 0+067;0 ,*+32: 6- /4,6 7*3 50/67,* 26.0/ 5.7/7560/- .7?0 574-03 746.2/- 62 7--,+* ,6 62 + '8#&.'" /2'225 8,6 8.,5 ,6 .7- *26.,*+ 8.760?0/ ,*52: :2*

/,$/2''" 7/0 2/6.0 :2-6 17/6 6/21,57 *3,7*;46 /,#8 ,- ,:7 7=7* 7 -2 + '!#3& / ,- 52: :2* 62 -,7 7*3 :0/,57J %3? ($%9& 7*3 .%#92/"-38 :2*26=1,5 +0*0/7 7/0 /2: 2/6. /7M,* 7*3 4,7*7

.0 8223 2 '6.0 *3,7* + '!#3& / ,- 2 0G50 0*6 >47,6=C 7*3 ,* 52*-,30/7;0 30:7*3 2/ .24-0H ;4,3,*+ .0 -,*+4 7/ 0:;/=2 2 .%#32/"-38 /0-0:;,*+ 7 -*790 52,03 41 ,*-,30 6.0 *46 +,?0-6.0 *7:0 2 *790 *46 62 6.0 /4,6 B * S

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. P& 8 1 W& *98$% 8 5& #8)$

* (''-3:$'8)#2!#839& : #8&'"$')38 /8 /889!/")#&%5 'M9/! #8 89 ,'" $3 $%" 2/!-?>!3,'&5 &3 '$# '& L% = 'M9/! 3")39,!" $%" 89 ,'" 3: $%" .'$/!&5 - 7'8'"/!!- &3!#$/"-5 !>2'!!')5 N>3(9!') # - &9&.'8)'):"3 /,/&#!/" 3" !/$'"/! :98#2!'' - 9&9/!!- /)"9.'' " '?/!,9 #839& 8 = <33)- M '?&$#.9!/$''

& *8:9 08 ?B* # / +7 :@BBA 08 B FA 89? ;0@? D@ 49# 0 +9;C0 ?0;0@? M * +98;*+9# 08 -98A 8*89 A 0CC0? +9 G 39'/5 ? BC 9# M 0 0 *+9 08 BC*8 C;;*+9# 95?+ C@ *+9 * 5 # 08 C0 A:*B0 = 494 0@?# 08 B0;094 0@?# 89:@ *8# ?B* # *5 *8A 08 +98B ;* # *?4 4 9=# ?C F9= 08 C*; 4 9= "$ M = 08 C*8+ +9# 0 +9;C98? ?+9;+# ?0B9+ B9? *4489?49;+ G 3?3&$-!#& : 9R@* ;;@B>98 +0 +79 4* A5 0>9?# ;?98+9= *+ +79 >*?9 08 +0C 0 *;*;@ *8 = ?F# ?9?+ -*+ 0; @?@* A B>8 E 4*+9# ?0B9+ B9? *4489?49;+ D+ '!/83""%2'/5 08 D #&$/2#/ = ;?98+9= / +7 +79 C9+* ?# 08 =0@>9 ;;@B>98# -98A 8*89 A B089 D+ '!/83""%2'/5 *;= +79; ?0B9 BC98 94+ :#!/ '8$& ?@>@ *+9 08 08B /8$%'"& -98A 0 +9;-98?*+ 9# ;+8082?9# =97 E ?49;49 0;: +@= ;* % " 49 9= D 8/2/")#'/$5 08 49 9= D .38)#'2'5 08 -98A 8*89 A 0 N = ?+ ;4+ 4*8C9 ?# 0 /7 47 * >@+0;9 *89 ?+98 9# 08 89=@49= +0 +79 ?+A 9 D 92%/8/8#/ É &$-!? BC 9# +98B ;* 08 ?5> *+98* # ?0B9+ B9? ?9-98* >A +79 ?@C

@B*47 '
+*B9;' GB*: I

@B*47
% *:8*B

@B*47
98+ 9' 0 / 98' *440BC*; 9=' >A'
*>O8+ -9' 0 / 98?

?+*47 0
' 0 / 98' GB*: I

" 98+ 4* ' ?94+ 0;' 0 ' 48+-98'
GB*: I

?+*47 0 '
B>8AO#' 9;+ 89'
;=' 4@+'+8;?-98?9 A'
GB*: I

@B*47
d 8@ +#' 9;+ 89' *;=' 4@+' -98+ 4* A

@B*47
8@ + ;:' *;=' ?+98 9' C9= 49 ?

?+*4 0
8@ +#' 9;+ 89' *;=' 4@+' GB*: I

?+*47 0
0@;:' 0-@ 9?' / +7' ?+8O;: A '
=9-9 OC9=' @; 4 9' GB*: I

&<T))

C89?? 0;' 0 ' +79' 0-*8 9?# / 7 47' 7*-9' >940B9' 40; @9;+' / +7' +79' 98+ 9' 0;9" 3(9!'& ?0 +*8A# C9;=@ 0@?# 08' >80*= A' *=;*+9' +0' +79' / * ' 0 '+79' 49 # 08' ?@?C9;=9=' +0' *' >*?*' *?49;= ;:' @; 4 9# B 480CA 9' ?@C98 08' *;=' 8*C79' =08?* # 8*89 A' 9894+' / +7' +79' B 480' CA 9' ; 98 08' *;=' 8*C79' -9;+8*' G 8/''/")#9 5' + /87#:'"/5' U4 I' o ' @?@* A' ?@C98 08# 8*89 A' ; 98 08' G 3!#7/ / 5' 899# 08' : 8+' >A' *' 8949C+*4@ *8' 4@C# ?0B9+ B9?' ?9*+9=' 0;' *' >80*=9;9=' CA8 08B' 9?7A' 8949C+*4 9' G 8/''/")#9 5' @?@* A' *' =8@C9# ;=9> ?49;+# 08' / +7' *' =97 ?49;+' 9;=04*8C# 8*89 A' ;@+ F9' D 8/''/")#9 ' ' 9894+# 708 <0;+*' 08' ;-98+9=" $'&$/' B9B>8*;0@?# ?0B9+ B9?' 40; @9;+' / +7' +79' 9;=0E 4*8C" %#!9 ' @?@* A' -9;+8*' " ' 95* >@B ;0@?" 23$-!')38& C *;0 40;-95" "/)#2!'' B089' 08' 9?? 4@8-9=# ?@C98 08' 08' C 98 08

b 79' 0 0/ ;:' ?' +79' ;9/'*88*;:9B9;+' 0 ' 8/''/")#/2'<' D '"'%#8$!#/2'<' #8' +79' 2 9;98*' *;+*8@B'.)1

! '6' $ G5 ?7/=' > "" &

' ?4 0' 4-47 =' -4-10*303' /2:' 7';7-,7/' 4*,5 0

P' 017 -' 7*3' 1067 -' *26' 755/0-50*6 B ! &5' #&$/2#/5' 3"#8)'#/5' 92%/8/8#/5' 3 32!/)#/5' + /87#:'"/5' 8/''/")#9 5' 3##'/5' %)/

_' P' 017 -' 2/' 1067 -' / ('&2'8$A+'!/83""%/'/5' <#8#38#/5' 3?3&$-!#&

' C ?4 0' -4-10*303' /2:' 7;2? 6.0' :,33 0' 2 '6.0' 50

_' 07?0-' 52:124*3' 7 =G' *26' 755/0-50*6 B 2!##89&5' 3!'832/".9&5' 3)#87#9 5')$8/

P' P' 07?0-' 52:124*3' 7 =G' 755/0-50*6 B &$"38#9 5' /"#&+/

P P P' 07?0-' -,:1 0' D2/' 1,**760' ,*' + /<#/ O ' '2/".9&5' 3"-832/".9&5' 1"# # 2/".9&5' + /9"#/5' 3!#7/8/5' 9(/##/

! ' ' 2 ,' ' ?7/=' T E 50 03' ?4 0-' 10*34 24-' .38)#/&5' "/238$3 '!9 5' 2!':32/"-/5' /".'.!#-!!9 5' "5 B F

'"',#8$!<2'/' 711/275.' 3&92' 5'6/,;0' -7)/% 5',*'6.0,/'.7;,6' 8223=' -60:' 7 60/*760' 07?0-' 10/,' +=*24-',*-0/6,2*' 2' 6.0,/' 12 =1067 24-' 52/2 7' 7*3' D-2:06,:0-' 12 =7*3/24-F' 7*3/205,4:' J ,*' 6.0' -2 ,67/=' 57/10' 4-47 =' 3/4175024-' /4,6' *3' 0G7;4:,*24-' -003' .0=' 711/275.' -2:0' '79 #83&/',*' 6.0' -7:0' 12,*6-' 7*3' 7 -2',*' 6.0' /0>40*6 =' :2*730 1.24-' -67:0*-' 7*3',*' 6.0' :2/0' 2/' 0--' 54/?03' 0:;/=2' '"'>' %#8#%/2'2" 7/0' 7 ,03' 62' 97!/8) 5' 8.,5.' ,90' 6.0:' .7?0' 3,5,*24-' 280/-' 7' 2*0 50 03' 2*0 2?4 03' 2?7/=' 3/4175024-' /4,6' 0G7;4:,*24-' 0:;/=2' 8223=' -60:' 7*3' 7 60/*760' 4-47 =' 1,**760' 07?0-' .0=' 7/0' 7 -2' 5 2-0 =' 7 ,03' 62' 388/"/2'/' 7*3' [/8$%3?-!'2&5' 7*3' .7?0' 6.0/0 2/0' ;00*' 1 7503',*' 6.0' -7:0' 5 7--' 8"&'"/2'"& -57/0 =' 3, 0/'-7?0',*' 6.0' 682 2?4 03' 2?7/,7*'50 -' 7*3' 6.0' 2?4 0-' 8,6.' -410/,2/' :,5/21= 0' 7*3' ?0*6/7' /71.0' 3883"2*'2" 3, 0/',*' 6.0,/' 3,-6,*56' 57/10-' 8,6.' 682' 52 760/7' 7*3' 0/056' 2?4 0-' 7*3' 6.0,/=71-4 7/' /4,6' ,*7 =' [/8:%3?-!'2' 5.,0 =' 3, 0/',*' 6.0,/' -003' 8.,5.',-' 4/*,-.03' 8,6.' 7' :2/0' 2/' 0--' 521,24-' 7;4:0*

'"'%#8$%/2'W' 7/0' ,0>40*6',*' 6.0',*60/6/21,57' $38'' 2';26.' 52*6,*0*6-J 6.0=' 3,:,*,-.' /71,3 =' ;0=2*3' 6.,-' M2*0' -2' 6.76' 6.0=' 7/0' /7/0',*' 6.0' 03,60//7*07*' /0+,2* P',*' 246.' /,57' 2/6.' :0/,57' 7*3' 4-6/7,7' 8.0/0' .280?0/',?0' +0*0/7' 2554/

'"', $%/''2" =,0 3' :03,5,*7' -4;-67*50-' 03,;0' /4,6-' _,*0' ?7/*,-.0-' * S' 7*3' :7*=' 8223-' 4-0 4' 62' 3=0/-' 7*3' 57;,*06 :790/-' .0' 1/,*5,17' -105,0-' 7/0' 6.0' 2 28,*+B

; 7 ?' 89 98?' +0' :9;98*' *;=' ?C94 9?# *;=' ;0+' +0' ;= - =@* ?' ' 08' #&$/2#/' 0 ' +7899' ?C94 9?' *>0@;=?#' *?' =0' ?9-98*' 0 ' (' ;' ?0B9' = ?+8 4+?' 0 '+70' 0= +988*@9*; 1 %

F$/2#/' ('"/' D ,-675.,2F' '6/00'2' 0/-,7'7*3' =/,7#*28'54 6,?7603'6./24+.246'6.0' 03,60//7*07*' /0+,2*' /4,6'8,6.'7*' D ,='+/00*' -003'2' 7*' 7+/007; 0'67-60'4-03'; =' 52* 056,2*0/-' 7*3'1.7/:75,-6- B '(' '")#&29&' '-:7'6/00'54 6,?7603',*' 6.0' /009' /5.,10 7+2'7*3'0-105,7 ='76' 5,2'=,0 3,*+' ;='.,*5,-,2*' 2',6-'6/4*9'7*' 7/2:76,5'/0-,*' 57 03' /&$#25'-2 60*,*+',*'6.0':246.'-,+.6='62*,5'7*3'7-6/,*+0*6'7*3':45.' 4-03',*'6.0' 7-6'62'10/ 4:0'6.0';/076.'7*3'-6/0*+6.0*'6.0' +4:-' _7-' 7-2'62' 7?24/' 8,*0-'7*3' 52* 05H 6,2*0/='*' *+7*3',6',-'4-03' 2/'?7/*,-.,*+'1,564/0-'7*3',*' 30*6,-6/= B * S B '/$ $#3/5' /2:' 74/,H 67*,7'7-2'=,0 3-'7':7-6,5'0:1 2=03',*'6.0'-7:0' 87= B ' '"+8$%9&5'7' 03,60//7*07*'6/00'=,0 3-' ;=' *5,-,2*' 6.0' .,2' 2/' =1/4-' 64/10*6,*0' 2/:0/=' 4-03',*' :03,5,*0';46'*28' 4* 4-6='301/05,7603J _,6' 4/6.0/'1/23450-'54/,24-'.2/*-.7103'+7 -'4-03' 2/'67**,*+'076.0/',*'6.0' 7-6 B * S

'%#89&'+3!!'' D 7-0' 0110/F',-'7'-:7'6/00' 2'6/21,57' :0/,57'8,6.'7' -4+7/='03,;0' 3/410'7*3'7' :7-6,5'8,6.'6.0'2324/'2'10110/'-,+.6='14/+76,?0' _ /7+:0*6-'2'6.0' 07' 27603'2*'8760/':2?07;246' ;='0/9-'28,*+'62'6.0'3,-5.7/+0'2'7'?2 76,0'2,' /2:'6.0'6,--40- B :

19(/# ')'.'8)'8&',-'7'-:7' .,,7*'6/00'8,6.' 0/:0*67; 0'-003-'8.,5.'=,0 3'7*',*62G,576,*+'3/,*9' % ' 3"#/"#/' D 7/*,-.6/00F',-'7'-:7' 03,60//7*07*'6/00'6.0'3/,03'7*3'14 ?0/,M03'07?0-'2'8.,5.' 4/*,-.'7'67*' :45.'4-03',*'6.0'1/017/76,2*'2' 076.0/'',6-'75,3' /4,6',-'4-03',*' 4/90='7-'7'52*3,:0*6 B' .0' 280/-'7*3' /4,6-'2'+'!-.%#8/5'7' 2/6.' :0/,57*'-./4;'7/0'6.0/0'4-03'62'-.7/10*'?,*0+7/'8.0*50' ,6-'*7:0'2' ,*0+7/ 6/00 B ' 3$#89&5'7' 246.' 4/2107*'-./4;'=,0 3-' 0*06,7*' 4:75.'2/' 24*+' 4-6,5'7'?7 47;0'2/7*+0 =0 28'3=0' 6-';7/9',-'7/2:76,5'7*3'7-6/,*+0*6'7*3',-'4-03'7-'7'0;/,4+0 B ' 3?#23)'8)"38'D6.0' 2,-2*' 4:75.'2/' 2,-2*' ?=F'2' 2/6.' :0/,57' .7-'7' :,9='?2 76,0'?0/='75/,3' 4,50'6.0'6245.'2'8.,5.'2/'0?0*'7*'0G.7 76,2*' /2:',6';/,*+-'2*' ?,2 0*6'0/=-,10 7-' _,*' :7*='10/-2*-' 8.,-6'26.0/7'7/0'8.2 ='4//7,05603';='6 B 4:' *' 0G6/756',-'1/017/03' /2:'6.0' 07?0-'7*3'4-03',*' -2:0'5467*024-'3,-2/30/- B #'6'"8#?5'7'!717* -0'-./4;'8,6.':,9='4,50'2'8.,5.',-'52:12-03'!717*0-0' ?7/*,-.' 6.0/'6/00-'2'6.0'-7:0'7:,='*76,?0-'2' .,*7'7*3' *3,7'=,0 3'7-2' ;=',*5,-,2*' 7' ?0/='30 0H 60/,24-'/0-,*24-'4,50'0:F 2=03',*'6.0'52:12-,6,2*'2' .,*0-0'75>40/' .0'4,50'2' '('8'8/$/-A$' 2/6.' :0/,57',-'*26'0--'30 060/,24-'7*3',-'-,:,7/='0:1 2=03' ' 2')/8'/'=,0 3-'6.0' 0+067;0'O7G'2' !717*' _8.,5.',-'24*3'7-'7'6.,59'8.,60'5276,*+'2'6.0'-003'8,6.,*'6.0'571-4 0 B :

+53!/83""%D '9&#$/$#&&# /'=,0 3-'6.0'50 0;/7603';759'?7/*,-.'2' 4/:7.'7*3' 7/67;7*' _'-,:,7/' ?:/*,-.',-'=,0 303',*' *3,7'=';='6.0'/4,6-'2' 3*7/ /'!38-#:3!#/ 5 " :

+/87#:'"/'#8)#2/5'7*' 7-6'*3,.*'6/00',*6/234503',*62'$%'' *6, 0-'=,0 3-'$%'' 7*+2'7'7/+0'3/410' ?7/,7;0',*' 52 24/'7*3'-,M0'2'7'10/ 4:03'7*3'-4+7/=75,3'67-60';052:,*+'14/+76,?0' 8.0*' 0760*' 62' 0G50--J _;46'8.,5.',-'2*0'2'6.0';0-6'2'6./21,57'/4,6-' 6-';,660/'7/2:76,5'/226',-'4-03':03,5,*7 = B :

8/2/")# 8'32))'8$/!'5'7*' :0/,57*'6/00'*28'*764/7 ,M03'6./24+.246'6.0'6/21,5-'=,0 3-'6.0' 7-.08' *46'8.,5.'52*67,*-',*',6-'10/,57/1'7'574-6,5'2,' _7*3';759'?7/*,-.S'7*3',*',6-'-003'7'-8006'2,' 6-' +/076='0* 7/+03'7*3'107/-.7103'/0501675 0'57 03'6.0' 7-.08 711 0',-'4,5=' 0-.='-4+7/='7*3'75,3',*' 67-60';46'7',66 0'75/,3' .0'6/40' 7-.08'8223',-'4/*,-.03';='7'6/00'2'6.0' *6, 0-';0 2*+,*+' 62'6.0'7:,='2' 03/5 U50R' .0'4,50'2'6.0'10/,57/1'2' "J:007/1 '+,?0-'7*' ,*30,;0';759'3=3'4-03' 2/':7/9,*+',*0*'

.38)#/&.9"'.9"'/' D 17*,-.' 4:F',-'7'O0-6'*3,7*'6/00'8,6.'7*'75,34 24-'-4+7/='3/410' ')9!2#&',-' 54 6,?7603',*'6.0' /,0*3='7*3' 25,06='-7*3-'2/',6-'8.20-2:0'7*3'/0 /0-.,*+'/4,6' _'!9$'/5'+3 ,"/5' 7*3'$9%'"3&/5'=,0 3'6.0' 2+' 4:'2'6.0'O0-6'*3,0- B :' ,#""'/5'7'*76,?0'2' 0*0+7:;,7'.7-' 7'0/:0*67;0'/4,6'/2:'8.,5.'6.0'*0+/2-':790'7'-1,/,6424-',>42/

_ .0'+4:'2')#8/')#'"',-'4-03'2/'17-60/-',*' *3,7 B :

F .0'*76,?0'524*6/='2'6.0'54 6,?7603',-675.,2'*46' F 02+/71.,0' 267*,>40#'3,3'*26',*3',6',*' =/,7'7*3' D '('")',-'4*9*28*'7*3',6',-'324;64'8.06.0/',6':7=' 87-',*2/:03'6.76',6'87-'9*28*'6.0/0',*'54 6,?76,2*' *26';0'7'54 6,?7603'2/:'2' '/$!/8##2/5'2/'-2:0' 2*='62 3 B 26.0/'-105,0-' .0'1 7*6',-'2:,6603',*' 0' 7*32 0#

)) * F 4]

b 894+ 08 4 B> ; : 08 - / +7 / *+98A D@ 49 M * +98 ; *+9# 95 ?+ C@ *+9# H M 0 0 *+9 08 B C*8 C ; ; *+9 !' /:!'$& 408 *490@?# * / *A? R@ +9 9 ; + 89 * 8*+798 ?B* # @?@* A # 89 : @ *8 08 ; 9*8 A ?0# ; 8*49B9? 08 C* ; 4 9? " $ = 08 C*8+ +9# @?@* A C98? ?+9 ; + * ; = 9B>8*4 ; : +79 >*?9 0 +79 8@ +#L B>8 4*+9 08 - * - *+9 ; >@= (# 08 B9B>8* ; 0@?# 08 * ; ; @ *8 * ; = 9B>8*4 ; : +79 >*?9? 0 +79 ?+*B9 ; ?# ?0B9+ B9? @ ; *+98* = 08 H # C98 : A ; 0@? 08 >AC0 : A ; 0@?# ?0B9+ B9? =94 ; *+9# H +70?9 0CC0? +9 +79 C9+* ?' @?@* A ?B* 98 * ; = 0 +9 ; BC98 94+ :!!/ '8$& 08B# @?@* A B0 ; *=9 C70@?' /8$%'"& ?708+# = =AB0@?# >@8?+ ; : 0 ; : +@= ; * A# ; +8O8?9 3'" 95+8O8?9 * +98 0 / 98 ; : : # ; 9*8 0> 0 ; : # 899# 08 40798 ; : ? : 7+ A ; +79 B == 9# B>8 4*+9 08 -98A 8*89 A - * - *+9 ; >@= # 8*89 A H 1M# : 0>0?9# 899# 7 8?@+9# H 49 9=" &$-!'& &9 , 9!/$'" 3'" E 08B &$#7 /& 4*C +9 *+9# ? BC 9 08 0>9=E 3(9!'& # 40 *+98* # *?49 ; = ; : 8OB +79 ; ; 98 * ; : 9 0 +79 49 # O8+70+8OC>@? - 0 @?@* A *? ?0 +*8A ?9?? 9 08 ?+ C +*+9 0 4 9# =97 ?4 ; : >A +79 -9 ; +8* G8*89 A >A +79 =08?* I ?@+@89# 0 +9 ; 7* 8A / +7 ; # H G8*89 A I ?99=9= = 9894+# *8 *+9 08 ; 0+ $'&$/ +7 4F# ?0B9+ B9? 9?7A# 40 0@89=# * ; =* 8 F9 *80@ ; =* +79 0 / 98 7* 0 +79 ?99=* / "#! 9?7A# 40 0@89=# 9 ; + 89# = B E = *+9 08 4@C@ *8 " 9 +798 95* >@B ; 0@? / +7 *BA :=* 0 =* 40+A 9=0 ; ?# 08 / +7 9?7A * >@B9 ; * ; =* 0 *490@? 40+A 9=0 ; ?' "/)#2!' ?@C98 08# -98A 8*89 A -9 ; +8*

A .?04*8C@?	+0 -07	24/+7	2**7/4-
7*260-	60-6,-	/,5.2 2 ; 4-	,17*6.4-

52*-,30/7 ; 0 2/30/ 2 7 32M0* +0*0/7 7*3 %$ -105,0- ?0/= 52 : 1 0G 7 ,*,6,0- 10/.71- : 2-6 5 2-0 = 7 ,03 62 '"'%#8$%/2'2'5 ;46 3, ,0/,*+ ,* 6.0 .0/ : 71./23,60 280/- +0 : : 760 2/6.26/2124- 2?4 0- 7*3 2*-67*6 = -410/,2/ /73,5 0 .0 0G-6,14 760 07?0- -47 = 7 ; 4 : ,*24- -003 2/6.26/2124- 52 760/7 2?,30- 7*3 -410/,2/ /73,5 0 3,-6,*+4,- . ,6 /2 : '79 #83&'& 1 7*5.2* .7- 12,*603 246 ,6- : 7* = 12,*6- 2 7*7 2+= 8,6 ?/!#)'2'5 0-105,7 = 6./24+ .6.0 +0*4- 388/"3. &J ; 46 6.0,/ 52/2 7 ,- *26 52*62/603 6.0,/ 57/10 -7/0 /00 7*3 6.0= 3, 0/ 0--0*6,7 = ,* 6.0 2?4 0- -003 7*3 0 : ; /=2 -"&32/". 9& 1/0-0*6- 6.0 /0 : 7/97 ; 0 -6/4564/0 2 754*2-0 526= 032*- 5 J 6.0 1067 -7/0 ?7 ?760 ,* "#2%3!3,9&5 7*3 D7552/3,*+ 62 4 : 0 ,6- 2?4 0- 7/0 7*76/2124- 8 . ,5 . 5.7/7560/ : 7= /0 : 2?0 ,6 /2 : 6.0 2/30/

388/"$2 7/0 7 62+06.0/6/21,57 7*3 5.,0 = -,76,5 7*3 7 7=7* ; 46 : 7* =7/0 : 0/,57* /,57* 7*3 -0?0/7 4-6/7 ,7* 7*3 75, ,5 .0= 7/0 5.,0 = ?7 47 ; 0 ,* 7* 052*2 : ,5 12,*6 2 ?,08 2/ 6.0,/ 8223-@ 2 6.0-0 2*0 ,- 6.0 ; 0746, 4 h0 ; /7 8223 G 388/"9& /-#%'"$## 5 7 *76,?0 2 4,7*7 .0 7/, 2 -2 : 0 -105,0- ,- 03, ; 0 .0 -003- 2 &.'2#3&9&5 7 7/+0 7*+22* 6/00 =,0 3 7* 7 ; 4*37*50 2 2, 7*3 ,6- 8223 ,- ?0/= 4-0 4 7- ,N 6.76 2 . /8#29!/$9& O # !

)) + Y

. : 0) M +& 8 M ! - 0& 9&&#'9

< & - & 3'" % M /!$'"8/$'5 9&9/!!- 23 .398)5 &$#.9!/$'5 * #""'79)/" 3: "'79!/"5 \# 3'" &3 '$# 'A)#2!#839& . '"#7-839& 3'" %-.37-839&5 "'79!/" /8) (/!(/$'5 #8 D'&$#(/$#385 3'" #""'79!/" /8) # ,"#2/$'5 "/"'!- 7 ? 08=98 ? ;0 =9?48 >9= ; +79 08 : ; * 1 (%

= ' #8&'"$')' <#$%' $%'" 23"3!!/5)39,!'" #8' 89 ,'"5 $3' $%'". '$/!&5 3"' #8)':#8#$' ' /8$%'"& H>2'!!')' : ' 7'8'"/!!-' N>'/".)!')5 ,'23 #87' /' .3)' 3" /8' #8)'%#&2'8$':"9#$5 3:$'8' 3#8$')' >#' 7'8'"/!!-' '?/!,9 #839&

@ % ' ' + + +5 "

'5(& ,"' 9 : : 0B98*+9='C0 ; : .* ;? ," II ' B>8A0'GB:+: I, ,"' I ;=8494 @B'GB; : I,

= ' /00=A#' 8*89 A' 798>*490 #' @;*8B9=' 08' +708;A#' ?+8* :7+' 08' ?*8B9;+0?9#' ?0B9+ B9?' *R@*+ 4' *;=' 0*+ ;:' D '.$98#/ ' M ' ? BC 9' D.%-!!3)'&' 08' M C ;' ;*+9#' ?0B9+ B9?' 88 +*> 9" .'$#3!'' ;?98+9=' 0;' *' ?B* ' 4@?7 0;#' @?@* A' @8; ?79=' / +7' C9+ 0 *8' 08' ?C ;*' : *;=?'' &$#.9!'& 899#' 4*=@40@?#' ?0B9+ B9?' C98? ?+9;+' *;=' ?C ;9?49;+' 2 8 ' :#' 0 +9;' C0 A:*B0@?#' 89:@ *8#' ;' *' ?C F9' 08' 79*=#' 8*89 A' ;' 7' C*; 4 9' 08' 408ABA>' $' =' 08' C*8+ +9#' B?+ -*+ 0;' :9;98* A' -* 8*+9' : ' *?' B*;A' *?' +79' ?9C* ?#' ;?98+9=' 0;' +79' >*?9' 0' +79' 4* A5#' 08' = ?+ ;4+ A' 7AC0:A;0@?#' 899' G /" 2#/5 "3&3.#& 5' 08' B089' 08' 9??' 407989;+' ;+0' *' +@>9' G 2/2#/5 +# 3&/5 87/5 U4 I#' *9?+ -*+ 0;' :9;98* A' -* -*+9' = ' @?@* A' =0@> 9' 08' B@ + C 9' +79' C9+* ?#' -98A' 8*89 A' 9R@*' D '& /8$%9&I" :#!/ '8$&' 899' G)'8/8$%'"/5 1'& /8$%9&5 8$/)/g

(<< 3 3 " ' ! 6

/78',#8/5 =3 5 08 B0;*=9 C70@:' B !%#JJ#/5 /"#)/5 "3&3.#&5 87/5 U4 I' /8$%'"& ?B* # 80@;=9=# =08? 59=' C0 9+ :8*;@ 97 0 +9;' *:: 0B98*+9=' ;' 0@8?' 08 ?59?' C9' ' ?0 +*8A# 08 L-98A' 8*89 A' B*;A# 899' G ::3 '/'& 3(/"-' H 49 9=" 3(9!'& *;*+80C0@?' : ' H 49 9=' *;=' -* -9=# 08 C @8 49 9=' 0/ ;:' +0 +8*;?-98?9 08 0B9;+*490@?' ?9C+*# / 4 ' ?0B9+ B9?' *++* ;' 9;08B0@?' C80C08+ 0;?' B 8$/)/ ' = ' 0 +9;' B*8F9=' / +7 *;' *890 *' ' ?+8* :7+# @?@* A' 95* >@B ;0@?# -98A' 8*89 A' * >@B ;0@?' G #!!2'/

2)6# 62$ ' /

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7+*0;,*7	0164*,7	0-:746,4-	X ;,MM,7
2 B0 *	P 575,7	P *0 7	

b 79' @> 08=98 +# 3&'2"#& ?@>= - =9=' ;+0':#"'' +8 >9?' >A' 9;+7*B') 1

1 ! ' ' 2 1 G B 7 =G 6006.'-.2/6';/273',:;/,5760' 3"3!!/5 E ,3' $/ '8&'D.'":'2$ E $'J 7*6.0/-' 5/28*03' 8,6.'7' 305,3424-' + 7*3' /"%#/5 '8$/3!'$%"/

! ' ' 7b B =G' ?7 ?760' 67:0*-' /00' 4-47 =' 68,50' 7-' :7*=' 7-' 6.0' 1067 -' J 7*6.0/-' 4-47 =' 5/28*03' 8,6.'7' -67 903' + 7*3' J 12 0* +/7,*-' :7*='3,-6,*56' 8$/)/5 #.$/)'"9/5)'8/8$%'"/5 "3&3.#&5 #2%"3&$/'%-&A' '.$98#/5 "5

! ' ' " - - B 7 =G' ?7 ?760 17112-0'2/' $' 67:0*-' /00J' 7*6.0/-' 0+ 7*34 7/J 12 0* +/7,*-' :7*='3,-6,*56' '& /8$%8&5 +# 3&/5 3!#"/83+/5 '92:'8/5 -$#/5 5

! ' ' $ G B 7 =G' ?7 ?760' /7/0 =' ' 67:0*-',*30 ,*,60' 4-47 =' :7*=' /00' 2/' 52**760' 76' 6.0' ;7-0' J 12 0* +/7,*-' 7++/0+7603',*' T <' :7--0-' 2/2#/

! ' ' 6 / G O /!-?' ?7 ?760' 67:0*-',*30 ,*,60' /7/0 =' $ E' 52**760' 76' 6.0' ;7-0' /7/0 =' ;0=2*3' 6.0' :,33 0J' 7*6.0/-' -:7 J' 12 0* +/7,*-' 4-47 =' 7++/0+7603',*' T <' :7--0- 4/!!#/8)"/5 !,#JJ#/5 !#/23!3,#9 5 87/5 ::3 '/5 =3 5 " :

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! ;*8B9=' % M ' @;9R@* A' @ C*8 C ;;*+9' 08' ? BC 9# ?+ C@ *+9' * ' A5 ?@> 889:@ *8 A' 5@49B9=' $' -* -*+9' ;' *9?+ -*+ 0;# 0>9=# 08' 8*89 A' ?C ++ ;:' * 0;:' 0;9' ? =9' B[3!!'"8#/ ' : ' B089' 08' 9?? @;9R@* # B>8 4*+9' ;' *9?+ -*+ 0;# M H# ?0B9+ B9?' # :9;98* A'7AC0:A;0@?# 8*89 A'C98 :A;0@?' B !)#8/ ' ' ?0 +*8A' # ' H 49 9=# ?+ C +*+9' : ' H 49 9=# -* -9=# 9/ ?99=9=# 8*89 A' *;' ;=97 ?49;+' =8 C9' D1'$/"#9 ' " ' 95* >@B ;0@?

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87/6M,7 3,*7 067/,4:#

A 0+7/303'7-'6.0' 7-'6'6/,;0'2' 4;2/30/' /.#!#38/2'2'',-' 0*6.7:'
P' 00//03';=' 0*6.7:'62' /,;0' '2' "'&/!.#8#'/5 5 "

@ % ' ' V5' "5

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O/98'4@+'-98+ 4* A

& ;:? (99 % *:8*B 8*;?-98?9'?94+ O;' O '?99=' GB*: I' 5 '3 > & + ' 8 *+9'?99= GB*: I

= ' /00=A# ?+8* :7+' 08' 4 B> ;:# ?0B9+ B9?' 95@0@?# *++9;9=#8 >>0; F9' G /9%#8#/ ' M ' :9;98* A' 40BC0@;=# ?+ C@ *+9' * ' # 8*89 A' = 094 0@?' D '"/$38#/ 5' B>8 4*+9' ;' *9?+ -*+ 0;# ;9*8 A' 89:@ *8' 08' ?@> C*C 0;*490@?# ;' .*49B9?' 08' ?C F9?' "$' @?@* A' B98 @?' : ' ;?98+9=' 0;' +79' 4* A5# @?@* A' # * +98;*+9' / +7' +79' ?9C* ?# 8*89 A' M# # 08' H# ?0B9+ B9?' ' G 3./#:'"/5' '"/$38#/ ' = ' H ' 08' 9/98# ;?98+9=' / +7' +79' C9+* ?'' :#!/ '8$&' :9;98* A' 899# 8*89 A' 407989;+' D '.$3!3,#9 5' B089' 08' 9??' @;9R@* ' ' ?0 +*8A" 3(9!'& *;*+80C0@?' : ' =97 ?49;+' 08' 0 +9;' ;=97 ?49;+# ?0B9+ B9?' C @8 49 9=' >A' +8*;?-98?9' ?9C+*' G /&&#/5' !')#$&2%#/ ' = ' 0 +9;' B*8F9=' / +7' *;' *890 *' " ' ?+8* :7+# 95* >@B ;0@?# 08' 0 +9;' * >@B ;0@?

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b 79' @> 08=98' 2'&/!.#8#'2" ?' ?@>= - =9=' ;+0'?9-9;' +8 >9?'>W' 9;+7*B')1

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! '66' & G 5 07?0-' T 1,**760' 017 -' /00' 067 -' 4-47 ='E' -4;0>47 ' ?7/= -67 9' /00',*'6.0' ;2662 :' 2 '6.0'57 =G 64;0J' 2?4 0-' (22' '/7/0 =' ' '!!3.!#3"9 5' + '43' 8'9"9 5' 2'&/!.#8#/' 3:: /8&'77#/' !/ #/$9?# !385' $'"3!3!#9 5' !')#$&2!##/' 3)/8/' /"!/##' &38#/

! '666' K 5 07?0-' 0>47 ='2/' 4*0>47 ='1,**760' 017 -' E' /7/0 =' (%' /00 ,: ;/,5760'/7/0 ='-4;?7 ?760' 067 -'E $' *6.0/-';4/-6,*+';='- ,6-'2/'12/0-' ?7/=' /00',* 6.0';7-0'2 '6.0'57 =G 64;0' 003-'7 ;4:,*24-' /&&#/' /,#2%'/' #/!# 8' '"/$38#/' "5

! '6<' & !K 5 07?0-' 0*6,/0'T 2;03'2/' 2,2 760' 7 =G' +7:2-017 24-' *H 6.0/-'?0/-76,0' ?7/= -67 9' /00'2/'73*760'62'6.0'57 =G 64;0' 003-'7 ;4:,*24-' /9%#8#/' '")&' =3

! '<' $- K 5 07?0-'4-47 ='1,**760' 017 -' /00' /7/0 ='?7 ?760' *6.0/-' ?0/-76,0' ?7/= -67 9' 760/7 ='73*760'62'6.0'57 =G 64;0J' 2?4 0-' (22' ' "3<8'/A' %'"&$#/' + '$'"3&#' 38' < ,3!)$#/' + /3"3!3%#9 5' :/'!#/' / /$#8)9&' 2%3!#/' - '8 /' "9)#/

!K ' ,# L / 07?0-'0>47 ='1,**760'2/'T & 2 2 760' 280/-'-:7 ' 017 -' /00',: ;/,5760'2/'?7 ?760' 067 -'E $' *6.0/-'?0/-76,0' ?7/=' T 2?4 03' '$/"#9 5' 3./#:'"/' /")$)2%#/' #8?88'$"/

!F'<66' - K 5 07?0-' T 1,**760' 280/-' -:7 ' -1,5760' 7 =G' E' 6226.03'2/' 2;03' 067 -'E',: ;/,5760' *6.0/-'?0/-76,0' ?4 0-'22' /2 2#/'1# 3".%/8)"/' "-$%"3.!#!2'9 5 " :

= " ' 5' "

= ' /00=A' 08' 798>*490@?' ' 0 +9;' 40-989=' / +7'?B* '+@>980@?'95489?E 49;49?' M ' ?+C@ *+9#/ +7' ;0' C9+0 *8' : *;=?# 0 +9;' +98B ;*+ ;:' ;' +9;=8 ?# ?0B9+B9?' #*;='89C *49=' 9 +798'>A' ?+C@ 9?'G /$%-"9& .%/2/' 08'>A' 798>*490@?'*;=' B9B>8*;0@?' / ;:?' 9=: ;:' +79' ?+9B' G "3$/!/"#/' 6'&.'"$#!#3' ' ?0B9+B9?' 0CC0?+9' /79;'A0@;:'G %/&'3!9& ' * 'C98 94+#-98A'8*89 A'C0 A:*B0@?'G 8@47 ?I# ; 08E 9?49;49'*5 *8A# ;' *'8*49B9# ?C F9# 79*=# 08'@B>9 # 08' ?0 +*8A# B>8 4*+9' ;' *9?+-*E +0;' $' B089' 08' 9??' 889:@ *8# +00+79=# =# 08' C*8+ +9# 08' *> *+9# +79'+/0' C0?+98 08'= - ?0;?' 08B ;:'+79'@CC98' C# +79'+/0' *+98*' *;='+79'*;+98 08' 08B ;:'+79' 0/98' C' : '@?@* A' N# * +98;*+9' / +7' +79' ?9C* ?# ?0879+ B9?' # M# # 08' H G 3".%/ 5' ;?98+9='0;'*' = ?F' ; ;:'+79'>0++0B'0'+79' 4* A5# @?@* A' 899# 08' 8*89 A' 407989;'G "#:3!#9 5' @;9R@* # +79' C0?+98 08' C9+*' G&$/8)/") ' 9B>8*4 ;:' +79' 0+798?# +79'+/0' *+98* 'G<#87&' * F9# C89??9='@C0;'+79'+/0' *;+98 08# / 7 47' * ?0' *89' * F9# 0 +9;' 40;; - ;:# *;=' ? B@ *+ ;:' *' ? ;: 9' C9+*' G%''! 08' ,3/$' = ' H # 08' 9??' >A' *>08+0;'#:!/ '8$& 9 +798' B0;*=9 C70@?# 08' = *=9 C70@?' >A'+79' ?9C*8*+0;' 0' +79' ?+*B9;' 0CC0? +9' +0' +79' ?+*;=*8='' 08 40BC 9+9 A' 899' G 3.%3"/' !/)"/&$#&' 8/7-"#&' U4 I' - ' ?0 +*8A# 0CC0? +9' +0' +79' *;+98 08' ?9C* # ?9?? 9' 08' C9= 49 9=# @?@* A' C @8 0-@ 9='3(9!'& ? +@*+9=' * 0;:'+79' ?@+@89' *4 ;:'+79' ?+*;=*8=# 4*BCA 0+80C0@?'

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&$-!' , , 2/ : J -, +/ : 7 60/ : ,*7 2/ -,647603 760/7 = 2*6 ,0 , **0/ -,30 ;0 28 6.0 0G6/0 : ,6= 2 6.0 -6= 0 2 0,6.0/ 50 03 10*,*+ ,* ?7 ?0- 8.,5. -2 : 06, : 0- -017/760 /2 : 6.0 1 750*67- G /" #2 #< /5 2/ 3,?,303 ,*62 50 - ;= 7 2*+,643,*7 -0164 : G &$"/7/!9&% ?-$"3 .#&F J 2/ 3,?,303 ;= 6/7*-?0/-0 -0167 ,*62 -410/, : 12-03 50 4 0-J 2/ 3,?,303 ;= -6/7*+4 76,2*' G#&$% 9& ,*62 -00303 2,*6- O .,5. -017/760 8.0*/,10 8,6. 7 -2 6 +0*0/7 = 57/4*54 760 60-67 " - ! 0G7 ;4 : ,*24- 2/ 7 ;4 : ,*24-J "/)#2!' ;0*6

b% - =9= >A 9;+7*B ; +79 2 9;98* *;+*8@B :. ;+0 +79 0 0/ ; : 9 9-9; +8 >9?

! 0% 6 1 78@>?# 8*89 A 798>? 9*-9? ? BC 9 08 = : +*+: A 40BC0@;= +*B9;?H # 899 + ! $! A& # $ 1 # " : ? # *;= ;@B980@? 0+798 G47 9 A @?+8* *;I :9;98*

! K 1 78@>? 08 798>? 9*-9? ? BC 9 08 = : +*+9 A 40BC0@;=# 9* 9+? R@ +9 9;+ 89 0 / 98? ?0 +*8A# *?4 4 9=# 08 ;+98B ;* 08 9* 0CC0?9= 8*49B9? +*B9;?H # @?@* A B0;*=9 C70@? # $ B (A ! # # " ! " " -# 1 : # "5

! 8 6 1 98>?# 8*89 A ?78@>>A 9*-9? M 0 0 *+9# @?@* A +00+79= >A +79 954@889;+ ;98-9? +*B9;? H # B0;*=9 C70@? 08 = *=9 C70@? + ## + # ## " (- " "

B ! " !K 1 98>? 08 ?78@>? 9*-9? C ; ;*+9 A M 0 0 *+9# 9* 9+? R@ +9 9;+ 89 0 / 98? @?@* A @B>9 9= 08 4*C +*+9 +*B9;?H # B0;*=9 C70@? 08 = *=9 C70@? * +98;*+9 *B9;+? 0 +9; = *+9= ## " # U4

! " ' / K 5 98>? G;0 4 B> ; :I# +899?# 08 9894 08 4 B> ; : ?78@>? 9*-9? C ; ;*+9 A N 5 G8*89 A & F > 0 *+9E 9* 9+? @?@* A R@ +9 9;+ 89 0= -* -e= 08 ?B* # 5 ?99=# *;= -9? 4@ *8 # !# # + (: # + ! ## 9 $ C : # :# " C4 : + + #" 1 ! D (?

! " K4 1 *> +0 " # " #*;= " # >@+ C0= ;*8+ 4@ *+9 C ! '& !" : ## A# ! ! ! " # ! " 3 C # $ " * # !" ! ?

! " < K 1 98>? 9*-9? *>8@C+ A C ; ;*+9# C9+ 0 9 9;= ; : ; * +9;=8 08 C0 ;+# 9* 9+? @?@* A +00+79= *+ +79 + C +*B9; *;= C0= 0 " : E " " U4

! " 2 6" K 1 98>?# @?@* A +/ ; ; :# 8*89 A 9894+# 08 ?78@>? 08 +899? 9*-9? @?@* A C ; ;*+9 A M G8*89 A H O I 0 0 *+9 9* 9+? 9;+ 89 08 0>9= 0= -* -9= : * : # + F # #" " $" # : ! $ # " : # # #" E + * $ G

! 3 ! / "K 1 894 08 4 B> ; :+899? 08 ?78@>? 9*-9? C ; ;*+9 A (E 22 0 0 *+9 +*B9;? B0;*=9 C70@? 08 = *=9 C70@? 0= ;=97 ?49;+ $ # +# !" !" $ $! (A !" "5

! 3 K 1 899? 08 ?78@>?# 9894 08 4 B> ; :# 8*89 A ?B* 08 ?@>798>*490@? 9*-9? C ; ;*+9 A N 100 0 0 *+9# 08 >80*= *;= H M 0 0 *+9 +*B9;?H # 899 $ ##4" $!# : #!" C !- 1 # G

! 3 8 * K 99 ?@> 08=98 8 * K C & < 1 " :

' 28"#/2'/5 2 '6/21,57 ' -,7 ' C,0 3-' 6 ,0' ?0/=' 7-6/,*+0*6' 123-' _57 03' ,?,' ,?,S ' 4-03' ,*' 67**,*+' 076.0/ '
_ ' / . . / 8' =,0 3-' 6 . 0' /03' 7117* 8*23' 2 ' 780/*' *3,7' 7*3' 0= 2* S
/&$/83&.'" 9 '/ $"/!'5 7*' 4-6/7 ,7*' 6/00 ' =,0 3-' 03,; 0' -003-' 57 03' 4-6/7 ,7*' 5 . 0-6*46-
3 . %3"/'$3 '8$3&/' '6/00' 8 . 2-0' /226-' 7*3' -003-' 7/0' 4-03' ,*' *3,7' 62' 7//0-6' 5 . 2 0/7,5' ?2 : ,6,*+
. 0' 280/-' 2 ' $-. 3!3%#9 '/ . 38#29 ' 7/0' 4-03' ,*' . ,*7' 7-' 7' =0 28' 3=:
+ -"3?-!38'. '"8#:'8# 5 7' 0/4?,7*'_ 0*6/7 ' : 0/,57*'S 6/00' =,0 3-' 7' -8016 - : 0 ,*+' ,>4,3' ;7 -7 : '
52 : 12-03' 2 '7' /0-,* ' 7*' 2, '7*3' 7' 1054 ,7' 75,3' D2#88/ #2 ' + '$3!9#:'" 8 5 7' 2 4 : ;,7*' 6/00' _,-' -4112-03'
62' S 1/23450' 6 . 0' 7 -7 : ' 2 ' 2 4 ' 7' -, : , 7/' -4 ; -67*50' 4-03' ,*' 5 . /2*,5 14 : 2*7/=' 5767//.
3< /"398/' D1#.$'"- (`' 3)3"/$/5 7' 4,7*7' 6/00' 8 ,6.' 0/=' .7/3' 7*3' . 07?=' 8223' =,0 3-' 2*> ,,*'
07*-' 8 . ,5 .' 52*67,*' 7' ?0/=' 232/, 0/24-' 5/=-67 ,M7 ; 0' 1/,*5,1 0' D239 /"#8' 5 7*3' 7/0' 0 : 1 2=03' 62' 10/ 4 : 0'
-*4
8)#"/' &9" /$8'87$&$'#8'" F5'"/2' 3&/5 "5 '6/21,57 ' : 0/,57*' 6/00-' 52*67,*' *7/526,5 75/,3' 1/,*5,1 0-'
8 . ,5 .' 7/0' 0 : 06,5' 14/+76,?0' *7/526,5' 7*3' ?0/ : , 4+0
'3::"3-/' ('" #:#$-/' 7*3' &.#89%&/5 /7M, ,7*' 6/00-' 2 ' 8 . ,5 .' 6 . 0' -003-' 12--0-' 7*' 75/,3' 7*3' ?2 76, 0'
1/,*5,1 0' 7*3' 7/0' 4-03' 7-' 7*6 . 0 : ,*6 . ,5-
1 /!, '"-#/'!/$#:3!#/' _7*3' 26 . 0/' -105,0-S' 2 ' /7M, ' *3,7' 7*3' /,57' 7 2/3' 2-08223' 7-' 32' : 7*='
-105,0-' 2 ' + /2%2'"# 8
"32/". 9&'1"/235 7' O 0-6' *3,7*' 6/00' =,0 3-' ;=' ,*5,-,2*' 2 ' ,6-' ;7/9' /7+2*#-' 223' 7' /03' 7-6/,*+0*6'
/0-,* ' _ ' '"#8/2'$#&' =,0 3-' 6 . 0' /,57*' 2-08223' 7*3' ,*2' 7*3' '&/8$8!#89&5 6 . 0' /03' 7*30/- 8223' 4-03'
62' 3=0' /03 ; /28 * S
9$'/:"38)3&/'B&F8##' '&9.'",/4`5'$"''%'3$ 6/21,57 ' -,7 ' =,0 3' .=' ,*5,-,2*' 7*' 7-6/,*+0*6' 4,50 ' *7 : 03'
7-60/*' ,*2' J _7*3' 6 . 0' 280/-' 3# ':"38)3&/ 7 2/3' 7*' 2/7*+0 =0 28' 3=0S
1"'./832/". '&'8'7/!'8&#&5 7*' /,57*' 6/00' 1/23450-' 6 . 0' 6/40' 2/' 7 : ;,7' ,*3
,"9&'."'2/$3"##$&'#& 7' 6/21,57 ' /,57*' 7*3' -,76,5' 5 , : ;0/ ',*6/234503' ,*62' : 0/,57 ' 8 . 2-0' /226'
=,0 3-' 7' ,>42/,50' 7*3' ,6-' /03' - . ,*,*+' -003-' 8 ,6 . ' .' ; 759' ; , 4 : ' 7/0' 4-03' 2/' 5 . 71 06-' 7*3' *059 750-'
_7*3' 7-' 80,+ . 6-' 57 03' '$$' D6 . 0' 2/,+,*' 2 ' 6 . 0' 82/3' 2/"/$ J 075 . ' -003' 80,+ . -' 2*0' /7,*' ?0/=' 0G756 =S
13 2%3&' /%!/, _7*3' 26 . 0/' -105,0-' 7/0S *3,7*' . 0/ ; -' 8 ,6 . ' 7/,*75024-' 03,; 0' -003-' 2 : 0' *0,+ . ; 24/H
,*+' +0*0/7' D7-' /2 $-""%#J9&' .7?0' 64 ; 0/24-' / . ,M2 : 0-' 7*3' 03,; 0' -003[
%/''3! '(9!7/"#&' ,-' 7*' *3, 7*' 2/' : 0/,57*' 5 , : ; 0/ ' 2/' 3 7/ ' . 0/ ; ' 6 . 0' =24*+' -4+7/=' 123-' 2 ' 8 . ,5 .'
7/0' : 45, 7+,*24-' 7' 3' 6 . 0' -003-' D%/"#23$&' 7/,*75024-' 7*3' 03,; 0
D #2'"'/"F$#89 5 6 . 0' . ,59' 07' 2/' /7 : ' 2 ' *3,7 ',-' 0G60*-,?0 =' 54 6,?7603' ,*' 246 . ' 4/210' 7*3' 6 . 0'
7-6' 2/' ,6-' 03,; 0' -003-' J ,6-' . 0/ ; 7+0' =,0 3-' -2' -6/2*+' 7*' 75,3' D2G7 ,5' NF 6 . 76' - . 20-' 7/0' -12, 03' ;=' 87 9,*+'
6 . /24+ . 7' ,0 3' 2 ',6 B * S
/%/'(9!7/"#&' D 07*F ' #&9 '&/$#(9 ' D 07F ' "(9 ' '8&' D 0*6, F ' 7/0' 7**47 ' . 0/ ; -' 8 ,6 . ' 7/,*75024-'
03,; 0' -003-' J 6 . 2-0' 2 ' "(9 ' "(#!#/' 7/0' 12,-2*24-' _7-' 7/0' 6 . 2-0' 2 '- :0' %/&'3 7*3' /$%-"$`5
. #3&' $9,'"3&/5' &3"/!'/' '&2#)'8$/' 7*3' %-. 3- . 5 7/0' 2/6 . ' : 0/,57*' . 0/ ; -' 8 ,6 . ' 64 ; 0/24-' -67/5 . ='
03,; 0' / . ,M2 : 0-
!%87#' + /9"3"9 ' ,-' 7' O 0-6' -,76,5' 7*3' 6/21,57 ' 7*3' -4 ; 6/21,57 ' /,57*' -./4 ; ' /2 :' 8 . ,5 .' 0G430-'
0/-,7*' 7**7' 7' -4 ; -67*50' 7*7 2+24-' 62' 6 . 0' 7**7' 2 ' 6 . 0' -. ' 7*3' 12--0--,*+' 6 . 0' -7 : 0' 1/210/6,0-
+ 9298/' . 8$"#'8& ,-' 7*' *3,7*' 7**47 ' 6 . 0' 123' 2 ' 8 . ,5 . ',-' 52?0/03' 8 ,6 . ' -6, ' -6,*+,*+' . 7,/-' _57 03'
28,65 . ' 7*3' 4-03' 7-' 7*' 7*6 . 0 : ,*6 . ,5S ' . 0' -003' ,-' 57 03' 2*90=#' =0' /2 : ' 6 . 0' 7/+0' 141, ,90' 7/02 7'
2*' 6 . 0' 60-67
83,"-2%#&'$/##(/' D 7,* 2,*F' ,-' 7' 10/0**,7' 54 6,?7603' . 0/ ;' 8 . ,5 .' 4/*,-. 0-' 7 . ' 0G50 0*6' 2330/
B@ 5&2%-83 '$#'"/&.'"/5 7' : 7/-.' -./4 ;' 2 ' *3,7' . 7-' 7' ?0/=' -2 6' ,+ . 6' 8223' 0G60*-,?0 =' 4-03' 2/' : 79,*+'
. 76-' 4*30/' 6 . 0' *7 : 0' 2 ' B * S
"/2%#&'%-.37''/' ,-' 7*' 7**47 ' /7M, ,7*' . 0/ ;' 8 . ,5 . ' ; 4/,0-' ,6-' /4,6' 62' /,10*' 6 . 0' -003-' 6-' 2, =6' 7*3'
-67/5 . =' -003-' D 7/6 . *46-F' 7/0' ; 26 . ' 4-03' 7-' 223' 7*3' : 45 . ' ?7 403' . =' : 7*4 7564/0/-' 2*' 75524*6' 2 ' 6 . 0,/'
; 7*3' 2 , 6 . /00' 7*3' 7' . 7 ' : , ,2*-' 2 ' 124*3-' 2 ' 6 . 0-0' 7/0' 7**47 =' , : 12/603' ,*62' /7*50' 7 2*0
63/ !'&'#/' &9,$'""/8'/5 7' 737+7-57/' . 0/ ;' 8 ,6 . ' .=12+202*-' 123-' ,90' 6 . 2-0' 2 ' "/2%#&5 7 -2' =,0 3-'
03,; 0' -003-
#+ $%-"9&' $9,'"3&9&' ,-' 7' 10/0**,7' 5 , : ; ,*+' . 0/ ;' 8 ,6 . ' 7' 054 0*6' -4+7/=' / . ,M2 : 0' : 45 . ' 54 6,?7603'
;0 2/0' 6 . 0' ,*6/23456,2*' 2 ' 6 . 0' 126762
6#)/' &8$#(/' D 065 . F' ,-' 7*' 7**47 ' 1 , : ; ,*+' . 0/ ; ' 54 6,?7603' 2/' 2/7+0

&$"/7/!9&' '"'$# &5 "'"9& 7*3 /"#&:/$$$& 7/0 /,0*67' -./4;-' /2:' 6.0 6/4*9 2 'A8.,5.' 0G430-' 4:' /7+757*6.' 7 +0 76,*24-' 4,50 _52 2,3$' -C80 ,*+,*' 8760/' : 45.' 4-03 ,*' 1.7/ : 75=' 7*3 : 7*4 7564/0-

3!9$'/ /"%3"'&''8& D 7330/ 0**7F' '-./4;',*3,+0*24-'62 246.0/*' 4/210' 07?0-'14/+76,?0' 7*3 -003-' 0 : 06,5

!'" #8#'"/'!/.%"3?-!38' '-./4;' 2 ' 0*0+7 : ;,7 8,6.' 7 ?0/=' ,+.6 8223' 4-03 ,*-6073 2 '52/9-' 2/ 276,*+' ,-.,*+'*06-

!-2#""%#J/'7!/,"/5 '2%#8/$/5 7*3 ,4 3,,],=5/*7/0 10/0**,7'./0;-' 2 ' 2/6. 80-60/*' 4/210' 8,6.'-4+7/=' /.,M2 : 0-' 4-03 ,*' : 03,5,*0 7-' 0 : 2 ,0*6-' =' 305256,2*' 7*3 0?712/76,2*' 6.0,/ /226-' =,0 3 6.0 3/=' 0G6/756 57 03 ,>42/,50 _2/ 17*,-.' !4,50S

8)#73:'"/ $#82$3"#/5 8#!' 7*3 /"7'8$'/ 7/0 6/21,57' -,76,5 4*30/-./4;-'52*67,*,*+',*' 6.0,/ 07?0-' *3,+2'7 52 24/,*+'1/,*5,1 0 8.,5.',-' 0G6/75603 ;=' 0/ : 0*676,2*',*' 8760/

+ '!#!3$9& 3::#2#8/!#& D 0 , 26F' *',*3,+0*24-'.0/;' ;052 : ,*+' 232/,,00/24-' 8.0*' 3/,03' 7*3 -80060*,*+' .7=' 2/ 5766 0' *',* 4-,2*' 2 '6.0 280/-',-' 4-03 7-' 7*' 7*6,21.6.7 : ,5

"#738'!!/ / 98#>7"2 29 ' D 0*4+/009F ,-' 7 .0/;' 8,6.' 7/2 : 76,5 7*3 ;,660/' -003-' 4-03 7-' 7 /0-2 ?0*6 124 6,50' 7*3 : ,G03 7-' 7 -6, : 4 7*6 8,6.' 276-' 2/ .2/-0-

+ ')#2/73 &/!#(/5 !9.(!#8/5 "5' D 450/*F E "#:3!# 8 ."/$'8&'5 "'.'8&5 "5' D 2?0/F' 7/0 ,*3,+0*24-' 0G50 0*6 2330/ .0/;-

'8#&$/' $#82$3"#/' D =0/#-' O 003F ,-' 7* ,*3,+0*24-' 3=0 1 7*6 8,6.' 3,4/06,5 280/-' 7*3 14/+76,?0 7*3 0 : 06,5 -003-' 2/ : 0/ =' 1/0-5/,;03 2/ .C3/21.2;,7

/"3$%/ 89& &23./"###& D /22 : F ,-' 7* ,*3,+0*24-'-./4;' 8,6.' - 0*30/ 0G,; 0 ;/7*5.0-' _0G60*-,?0 =' 4-03 2/ ;7-906 82/9 7*3 7-' 7 3,4/06,5S' .0 280/-' 7/0 ,* 4-03 ,*' : ,9 7*3 4-03 7-' 7 ' 26,2*' 2/ -9,*' 3,-07-0-' J 6.0 280/ ;43-' 1/0-0/?03 ,*' ?,*0+7/' 7/0 4-03 ,90 5710/-

!'?' '9"3.2'$#& D 4/M0' 2/-0' O .,*F'7* ,*3,+0*24-'-./4;' : 45.' 4-03 2/ ,/08223 _,*' /7*50S'7 2/3-' 8,*60/' 5766 0 223

(.#8 ' /!,9&5 (/"#9&5 !9$'8&5 "5' **47' .0/;-' 8,6.' 054 0*6 0767; 0 -003-' J -60 : ' 7*3 07?0-' 4-03 7-' +/00*' 2330/

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%-&3&$#78#/' ('8'83&9 ' =,0 3-' -003-' 57 03 7 7;7/ 07*-J B$%'-' 52*67,*' 2*0 3:'$%'' 3&$?,/4 0*6 2' 12,-2*-' 8.,5.' 12--0--0-' 6.0 54/,24-' 1/210/6=# 2 '574-,*+' 52*6/756,2*' 2 '6.0 141, B " 'F

)) ' AA5 9&&#'9

-' %'", /2'39& 3' <33)-' ' /!$'"8/$'B3..3&#$'#8 70=0+AC@?]# &$#.9!/$'5 3' ('"-' "/"'!-' '?&$#.9!/$' G C +9*# /4*54-' "5F 6 3 ' " 8!! &3 '$# '&)#2!#839& B"'79!/"5 /&- '$"#2/!#8 "#,' 78A?0>* *;9?9]' .' ' '"39&5 # ,"#2/$' 3' (/!(/$' #8 <&$#(/$#3$#' 2 ' /& /8-' /& &'./!&5:"' '5 #8&'"$')' 38 $%' 2/!-?5 # ,"#2/$' #8 /'&$#(/$#385 &3 '$# '& =(- ' 9&9/!!-' #8)':#8#$'5 /8-' &'"#/$'5 #8&'"$')' !#F' $%' .'$/!&E /8$%'"& ;>2'!!')5 #8$"3"&'5)3"&#:#?')' 2 ' ('"-' (/"#39&' % ' /8/$"3.39&' " -! . ' &$"/#7%$5 '?/!,9 #839!5 3' ('"-' "/"'!-' /!,9K #839& G39- @? *I

! ' ' + 5 9&&#'9

60 : ' 8223=' 07?0-' 8,6.' /00 5734524-' -6,14 0-' 280/-' E' 60/ : ,*7 ' ,*' 7 52/= : ; ' 5= : 0' /750 : 0 2/ 4 : ;0 ' 05016724 7/' 5414 0 D57 =G 64;0 2 ' : 7*=' ;267*,-6-F 0*?0 21,*+' 6.0 2?7/,0-' 7*3 73*760 62' 6.0 : '60/ : ,*7603 ;=' 7' E 2;03' 57 =G

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" 98+ 4* ‘?94+ O;‘O ‘ O / 98

@ ;4N
% *: 8*B

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9+* ?' ' +*B9;?' ;@B980@?' -*8 9?' #?0B9+ B9?' M# #H#*=;*+9' +0' +79' 8949C' +*4@ *8' 4@C@ 9# H 49 9=# C @8 0-@ 9=' 0-@ 9?' *?49;= ;:' ?+A 9?' *?' B*;A' *?' 0-*8 9?# 899# 08' 4079 89;+' >06'+79 8' >*?9' 8@ +' 08B9=' >A'+79' 4*8C9 ?' *7=' +79' ?@4E 4@ 9;+' 8949C+*4@ *' 4@C@ 9# 480/;9=' >A'+79' 4* A5 B>' 08' +?' ?4*8# / +7' ' 49 ?' 08' 9/98# 9;4 0? ;:' H # # 08' ?9-98*' ?99=?*' C98 4*8C'>0;A# ;=97 ?49;+# C98 08*+9=' *+'+79' >*?9' 08' 4*8+ *: @0@?' 08' B9B>8*;0@?# C*8+ * A' 0C9; ;:' 0;' +79' ? =9' 0' +79' *5 ?^' 99=' *?49;= ;:' 8*= 4 9' ; 98 08

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, A8@? P 74-' P 2/;4-' P 0-1,4- P =32*,7
P 262*07-60/ P /,2C;26/=7 # .26,*,7 , *C7 0 9C ? P 6/7*?i -,7
P /76 02@4- P /2*,7 -602 : 0 0-

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+9B / 00=D@?@*!A+708;A 9894 08 ?*8B9;+0?9 9*-9?@;9R@* A C ;;*+9 / +7?+ C@ 9?*=;*+9+0+79 C9+ 0 9 8*89 A?BC 9 ?0B9+ B9? *;=89C *49=>A+79 ?+ C@ 9? 0/98?:;*+98B ;* 408AB> /7+9 C ;F 08A9 0/ 999C+*4@ *8 4@C@ 9 G4* A5 +@>9I @?@* A 0-0 =*;=40;+8*4+9=>9;9*+7+79 4* A5 ?0B9+ B9? 4A*+7 08B 9C* ? 0 *490@? B>8 4*+9 9+* ? 9?=A B@+C A ;:@;=98 4@+-*+0; +*B9;? ;@B980@? *8C9 ? ;@B980@? ;?98+9=*+79 >0++0B 08 0; +79 ;;98 /* 0 +79 8949C+*4@ *8 4@C@ 9 /7 47 >940B9? 9?7A /79;8 C9 99= C9;=@ 0@?* 8*= 4 9 ?@C98 08

P 2-7 P 4 6.0:,7

+3&/ %'", '"#:3!#/5 7 7-,-7 -:7 71.= 24-.-/4;2 0*6/7 -,7,* 8.,5. 6.0 07 ,- /01 7503 ;= 682 52**760 -6,14 0- -,:4 76,*+ 7 -,:1 0 /06,54 760 803+0 -.7103 6226.03 07 8@,6.7*0*6,/0 2/;,,3 6,1 /43,:0*67/=*2/:7 07 ,- -2:06,:0- 30?0 2103,* 6.0 *265.2/;,4/576,2* 2 6.0 -6,14 0

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+9B 798>*490@?# 8*89 A / 00=A 9*-9? :9;98* A 40BC0@;=? C@ 9? *=;*+9 +0 +79 C9+ 0 9 0/98? +98B ;* 6 ?B* # 6 08 = 4 ;0@? 8949C+*4@ *8 4@C@ 9 0 +79 *;= \ 0/98? @8490 *+0# 40;+8*4+9= *+ +79 +0C# *;=>9*8 ; : * M =4* A4 ;* B>4* A5 +79 S 0/98? C7A 0!? G 3$'"#< 08 M C7A 0@? D !#::3"$#/ É C9+* ? @?@* A # 8*89 A +*B9;? 9R@* ; ;@B>98 +0 +79 4* A5 0>9? G /879#&3",/ 5 08 9/98 G+/"7-"#'/".9&5 '$"/7!3/%#85 U0 I# 08 =0@> 9# +89> 9# 08 B@+C 9 D 7"# 38#/5 "' 38#/5 !#::3"$#/5 3$'"#9 5 U4 I *8C9 ? H # 899# 9;4 0?9= ;+79 8949C+*4@ *8 4@C@ 9# 8 C9; ; : ;+0 *479;9? ?+A 9? ?@> >*? *8# *+98* 08 +98B ;* ?+ :B*? 4*C E +*+9 08 C9; 4 *+9 99= C9;=@ 0@? 8*= 4 9 ?@C98 08

5.0*,, 7 /7=0/7 +/,:2*,7 7/+=/,57/14- 570*7
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3 /"9 U4 I 08 +98B ; *+9= *A * 9*+798A ?+A 9 G1:-/& '"232/".9& 08 =8@C90 9? 0; * @?@* A =8A 8949C+*4 9 G 9,9& ?0B9+ B9? 9?7A G +8* / >988AI 99= C9;=@ 0@?# 8*89 A *?49;= ; :' G '9 1"-/& 8*= 4 9 ?@C98 08#.08 8*89 A ; 98 08

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, 0;7 3,7 P 04/7 /=7- O7 3-60,*,7

 b% - =9= >A 9;+7*B *;= 00F98 ;+0 + / 0 +8 >9? 0 / 7 47 0;9 - %J& / +7 *; 9>8*4+90 *+9 4* A5 *;= C9;=@ 0@? 0-@ 9?# 40;+* ;? >@+ 0;9 :9;@?# 9,9&E +79 0+798# : * & 7*? @?@* A * >8*4+90 *+9 A5 *;= * / *A? 0;9 0-@ 9 1 %U

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b 79 +/0 0 0/ ; : +8 >9? *89 0B ++9= ; +79 08 : ;* +79 8?+ 0 /7 47 ? @?@* A 8*;F9= *? *= ?+ ;4+ 08=98

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/00-' 2/' - ,/4 ; -' 07?0-' -, : 1 0' >4,60' 0*6,/0' 280/-' 7-=,,,*,26/,07 ' D04 = G' 0 ; /,,5' 602 760J 2 ; 0-' 4-47 =' 305,3424-' 67 : 0*-' 4*, 760/7 ' 2/' ,*' 7' 02,*1 060' 8 : / ' 7/10' J -6= 0' ; 7-, 7/' J 2?4 0-' T' 7-50*3,*+' /4,6' 52,C,75024-' 2/' 3/4175024-' *26' ,*5 4303' ,*' 6 . 0' 57 =G' 64 ; 0' D/05016754 7/' 541F' 73,5 0' ,* 0/,2/

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. /=-2 ; 7 7*4-	,57*,7	2>4, 57	7/,*7/, : *
7/7-60 : 2*	2401,7	152-60 : 2*	6? 2 ; 7 ,4 :

5# %' '8$%' '$ 33 2':#!

/00-' 2/' - ; /4 ; -' 07?0-' -, : S30' 52/,75024-' /7/0 =' 1,**760' 7 =G' 0 ; /70622 7 0J 2 ; 0-' 4-47 =' 10/-,-60*6' 67 : 0*-' E $ T$' 7/10 -' /00' 2/' 52**760J 2?4 0-' 2*0' 2/' : 2/0' 7-50*3,*+' 2/' 10*34 24-' /4,6' 2 ' E' 5255,' 2/' 2 ,5 0-' 2/' 7' 571-4 0' ,26' ,*5 4303' ,*' 6 ,0' 57 =G 64 ; 0' D/05016754 7/' 541F' ,* 0,,2/' 7*3' ,*30 ,,-50*6 ' ,*' ' 003-' 4-47 =' ; /273 =' 8 ,*+03

' C'

k4, 7 7	7+0*759,7'	,*3 0=7	45/=1 ; ,7	" :

75.' 2 ' 6.0' 6/, ; 0-' 52 : 12-,*+' 6.0' 0*6,/0' +/241' 2 ' !#3&/2' /# : 7=' ; 0' 52*-,30/03' 7-' 7' -017/760' 7 : , =' -7) /!' '711/275.' %"-&3, /!/8'2"' C ,*' 6.0,/' E ,*0/24-' 57 #G' 7*3' 52/2 7 ' 6.0' ,*-0/6,2*' 7*3' *4 : ; 0/' 2 ' 6.0' -67 : 0*-' 6.0' 3/4175024-' /4,6 ' 6.0' 0G7 ; 4 : ,*24-' 0 : ; /=2 ' 6.0' 8223=' -60 : ' 7*3' 6.0' 7 60/*760' -, : 10' -6,14 760' 07?0-J %"-&3%/!/8'2"' 3, 0/' ,*' 6.0,/' 0+ 7*34 7/' 106,2 0 ' 6 ,0' _4-47 =S' ,*0>4, 760/7 ' 57 =G' 4*0>47 ' -67 : 0*-' - : 7 0/' 7*3' 2 60*' -60/, 0' 2*' 6.0' -,30' 2*' 8 . ,5.' 6.0' 57 =G' ,-' 07-6' 30?0 2103 ' 0/056' -003 ' 7*3' 6.0' 7 ; -0*50' 2 ' . =3/25=7*,5' 75,3 ' 3 2'2'5' 7-' 7' 8 . 2 0 ' -6/2*+ =' /0-0 : ; 0' '##### #83>$$.' ,*' .7 ; ,6' ,*' 6.0' 7 60/*760' -6,14 760' 2 60*' 1,**760' 07?0-' -2 : 06, : 0-' 1/02,-0 C ,90' 6.2-0' 2 ' -2 : 0' /.G!#38/$'D: D &$'3 'F&5 3"F'!#9 ' -7) /!' ' 0-105,7 =' 7/0' 5 2-0 =' 7 ,03' 62' '78 #83&/ ' ; =' 6.0,/' 7G, 7,=',* 2/0-H 50*50 'E : 0/24-'57 =G , : ; /,5760'52/2 7 ' -2 ,67/=' 57/10 '7*3' + 7*34 7/' 106,2 0-' /0-0 : ; ,*+' 6.2-0' 2 'A!# 3&' ''5 ,90' 8 . ,5. ' 2/30/' 6 . ' 4/6.0/C -05/060'+4 : ' .0' 0+4 : ,*24-' /.#!#38/2'3]' -57/50 =' 3, 0/' -7?0',*' 6.0',//0+4 7/' 52/2 7 ' 30 ,*,60' -67 : 0*-' 7*3' _2 60*S' 52**760' , 7 : 0*6-J ; 46',*' -2 : 0' +0*0/7' 2 ' '7 8#8DP@WD'' 6.0' 280/-' 7/0' /0+4 7/' 2/' -4 . /0+4 7/' D 8/$3?-!38A' /%#'%'/5 /9%#8#/5 " 5 F' 6.0' , 7 : 0*6-' 7/0' /00' D 2.&/! ##/5 4 /&&#/5 - 833!/)9&5 !')#$&2%#/5 - /5 " 5 F' 7*3' 7-' 7*' 733,6,2*7' 7 ,*,6=' 6.0' /4,6' ,-' -2 : 06, : 0 ' 7 3/410' G! '$/" #9 ' 0*50' 6.0' 2* =' 7 ; -2 460' 3,-6,*56,?0' 5.7/7560/' ; 0680 0*' 6.0-0' 2/30/-' ,-' ,*' 6.0' 57 =G' 2 ' 8 . ,5. ' 6.0' 233' -017 ' ,-' 7*60/,2/' ,*' '79 #83&2'5 7*3' *0G6' 6.0' 7G,-' ,*' 3&/ ' '2"' D-00' 6.0' 3,7+/7 : -F

3&/2'2" 7/0' 52**0560'3' 8 ,6.' /?#:"/7 ' /' ;=' .#"2' /2'$&5 7*3' 17/6,54 7/ =' ; =' 6.0' +0*,4-' F89&#/5 6.0' -003' 2 ' 8 . ,5. ' ,-' 7 ; 4 : ,*24-' _7-' ,*' ?7/,24-' 26.0/' +0*0/7' 7-' '#!!#/5 92"-.%#/5 " 5 S' .0=' 711/275.' '.! %$2: ' 6./24+.' "-/)' ' D-00' 6.0-0' 7 : , ,0-F' 3' /2*+*,7/6' .7-' *26,503' 7*' ,*52*6/2?0/ , ; 0' 7 ,*,6=' ; 0680 0*' 3 /2'2& 7*3' 9.9!#:'" B 8223=' -60 : ' /,5.' ,*' 67**,*' 7 60/*760'-6,14 760' 07?0-' ,* 0/,2/' 2?7/=' 8 ,6.' : 7*=' 682 2?4 03' 50 -' 7*76/2124-' 2?4 0-' 0G7 ; 4 : ,*>4-' 0 : ; /=2' J 6.0' 3,7+*2-,-' 7 : 2-6 0*6,/0 =' /0-6-' 2*' 6.0' 7 ; -0*50' 2 ' 1067 -' 7*3' 2*' 6.0' 2?4 0-' 8 . ,5.' ,*' $#.9!#:'"/E 7/0' 10*34 24-' ,*7 C' 7*' 7*7 2+=' .7-' ; 00*' ,*3,5760 3' ; =' ' /28*' ; 0680 0*' -7) /!' ' 7*3' %- '!'2 5 24*303' 2*C6.0' ,*-0/6,2*' 2 ' 6.0' -67 : 0*-' 6.0' : 2*227/10 7/=' 1,-6, ' 2 ; ,>40' 50 03' 2*0 2?4 03' 2?7/=' 10*34 24-' 2?4 0' -4.60/ : ,*7 ' -6= 0' 3/4175024-' /4,6' 7*3' 0G7 ; 4 : ,*24-' 0 : ; /=2' 8 ,6.' 0- .=' 526= 032*-J ; 46' %- '$'2'' 3, 0/' ,*' 6.0

Y B ++9=' ;'+79'08 : ;*' 9: 8=9=' *?' *' +8 >9' 0 ' 3&/2' ' >MK 9 ; +7*B' *; =' OOF98' # *; =' *?' ?@47' ; ?98+9=' *>0-9 5 "

*764/0 2 ' 6.0 0 0 : 0*67/=' 2/+7*-' 2 ' 6.0,/' -60 : ' ,*' 6.0,/' 75/,3 7*3 . ,-62/,*+' 1/,*5,1 0-' 0G-6,14 760 07?0-' 7*3 6.0 30 ,*,60 *4 : .0/' 2 ' 6 ,0,/' -67 : 0*-' _ .0 12,*6-' 2 ' -, : , 7/,6=' ;0680 0*' 3&/33%' 7*3 9.9 :2"/#' 7*3 %- '!3 ' 7/0 : 2/0 1/2;7; =' 7*7 2+,57 '/0 -0 : ; 7*0-- B F S "3 8/2'2" 7 ' ;0 2*+0 62 6.0 *2/6.0/*' .0 : ,H -1.0/0 J 6.0=' ,* . 7 ; ,6 4/210' -,7 ' 7*3 2/6.' : 0/,57J 6.0=' 7/0 52 : : 2*' 2*' 6.0 : 24*67,*-' 2 ' *3,7 ' 7*3 /7/0 ,*' 0G,52 ' 730,/7 ' 2/6.' /,57 ' 7*3 6.0 7*38,5.' - 7*3-' -" ' _,*' ,6-' , : ,603 -0*-0S ,-' 52* ,*03 62 6.0 3 O 2/ 3J 6.0 24*67,*' -.' 2 60*' 7552 : 17*,0-' 6.0 ,/5.' 62 6.0 .,+ .0-6 *2/6.0/*' 76,H 6430-' J 3&/',-' 2* =' 24*3 32/6.' 2 ' 6.0 6/21,5-J "/7/"#/',* .7 ; ,6-' 7 ' *2/6.0/*' 60 : 10/760 /0+,2*-' 7-' 7 -2 0G6/7 6/21,57 ' 246.' : 0/,57 7*3 6.0 2 4557-J _7*' *3,7*' =0 28 3280/03 -105,0-' ,-' -4 ; 6?21,57 ' /7 : ; 0-' 7 ; 24*3 0-105,7 =',*' 6.0 *2/6.0/*' 60 : 10/760 /0+,2*-' 2 ' ; 26.' 82/ 3-' _ ; 466.0/0 7/0 52 : 17/76,?0 =' 08' -105,0-',*' : 0/,57SJ 6.0=' 7/0 /7/0 ,*' 6.0 6/21,5-' 7*3 -2 : 0 7/0 24*3 ,*' 6.0 -246.0/*' .0 : ,-1.0/0 7-' 7/ 7-' 08' h07 7*3' 9$'8$#!!/5 '98#5 1"-'/&5 -"# 38#/5 /8-9#&3"%/5 3$'"#9 5 7*3 !2%' #!!/' : 2-6 =',*.7 ; ,6 6.0 60 : 10/760 7*3 522 ' 17/6-' 2 ' 6.0 *2/6.0/*' .0 : ,-1.0/0J G !2%' #!!/',-' 0--0*6,7 =' *307*' 713 -"# 38#/',-' 24*3 *' 246.' /,57 ' 246.' : 0/,57 ' 7*3 4 -6/7 ,7S ' X 2 : 0 /8-9!&3",'/' ;0 2*+' 62 6/21,57 ' 7*3 -4. 6/21,57 ' : 0/,57 .0 6/40 .#"2' /2'2'" ,?0 *2/6.' 2 '6 0 6/21,5-J 6.0 26.0/-',*' 0/4 7*3 .,, ' '9"/)'/' 7/0 52*,*03 62 6.0 -246.' 7*3 *2/6.' 2 ' /,57 _7*3 O 0-6 -,7S ' --)/!'/' 2/ 6.0 : 2-6 17/6 ,*.7 ; ,6 6.0 *2/6.' 60 : 10/760 M2*0J 7 08' 2* =' 2554/',*' 6/21,57 ' : 0/,57 7*3 -2 : 0',*' 6.0 7*7/,0-' 7*3 M2/0-' 7*3 7*38,5.' - 7*3-J *2*0 .7?0 =06 ;00*' : 06 8,6.' ;0=2*3 6.0 6/21,5 2 ' 71/ 2/6,' G "88 ',6-0 ',-' *26 4*52 : : 2*' ,*' 6/21,57 ' : 0/,57 ' 7*3 -7 '9 ' ,-' 0--0*6,7 =' 6/21,57 ' -,76,5 ' 7*3 ,-' 7 -2 24*3 ,*' /,57 7*3 4-6/7 ,7 ' %>-&3%/!/8'2" 7/0 5.,0 =' 6/21,57 ' : 0/,57*' 7*3 : 7*=' 2 ' 6.0 : ' /7M, ,7*' J 7 08' 2554/',*' 6/21,57 ' -,7 7*3 /,57J $-%%/&#9 ' ,-' O 0-60/*' 4-6/7 ,7*' 9#$!/ ' /' 7/0 2/ 6.0 : 2-6 17/6 O 0-60/*' : 0/,57*' J ;46 93"-.%#/',-' 7 -2 24*3',*' 4-6/7 ,7 B 4: .0 /4,6-' 2 ' 3 /2'/' 52*67,*' : 45, 7+0' -4+7/' 7*3 : 7 ,5 75,3 ',*' 1/212/6,2*-' -2 80 ' 30?0 2103 7*3 : 23, ,03 ;=' 54 6,?76,2*' 6 ; 76 6.,-' 7 : , =' .7-' ;052 : 0 2*0 2 ' 6.0 : 2-6 4-0 4 ',*' 6.0 0+067; 0 ,*+32 :

-)38#/' #7/"#& Dk4,*50F' /4,6 7-6/,*+0*6 ' 03,; 0 8,6.' -4+7/',*' 0 =' 7*3 -=/41 ' 003-' 8,6.' 7*' 0 : 2 ,0*6 : 45, 7+0 O -"9& 23 98#& D 07/F' /4,6 2.52*,5 2/ -4; + 2;4 7/' J 0-.' -755;7/,*0' -7?24/=' 7*3 : O 6,*+' 52*67,*,*+' *07/' 6.0 .07/6 -62*=' 52*5 06,2*-' 2 ' 50 -J ,6 52*67,*-' 6.0 -7 : 0 1/,*5,1 0-' 7-' 6.76 2 ' 11 0-' 7*3 ,6-' 4,50 ,-' 0/ : 0*603 62 : 790 10//=' 6-' 8223 ' 8 .,5.',-' 5 2-0 +/7,*03 ' 7*3 : 45.' -24+.6 ;=' 2,*0/-' 87-' 2/ : 0/ =' 4-03 ;=' 0*+/7?0/- O +/%#& D 11 0F' /4,6 4-47 =' + 2;2-0' 7 87=-' 4 : ;, ,576 76 6.0 ;7-0' 7*3 *26 *7//2803 ,*62 6.0 1034*5 0J 0-.' ,/ : ' ; /,66 0 7*3 75,34 24-' *0?0/' -62*=' 52*67,*,*+' ;0-,30-' -4+7/' 7*3 : 7 ,5 75,3 ' +4 : ' 1006,*0' 7*3 7 ;4 : ,*0' 11 0-' 7/0 4-03 2/' 1/0-0/?0-' -=/41 ' 7*3 0 =J' 7*3 6.0,/' 0/ : 0*603 4,50 =,0 3-' 5,30/' 7*3 ?,*0+7/ B =*8' GA3"%9&')3 '&$#2/' D 0/?,50F' /4,6 76 ,/-6 .7/-.' ;052 : ,*+' 14 1=' 7*3 -8006 7 60/' +76.0/,*+' 03,; 0' 0/ : 0*67; 0' O223 ?0/=' ,*0 =' +/7,403 ' 7*3 6790-' 7 +223 12 ,-. O -"9& D 3"%$& ' 92(./"#/' D 24*67,*' -.' 2/ 287, 6/00F' /4,6 14 1=' 52*67,*,*+' : 7 ,5 75,3 ' 2 ' 7 *74-024-' 67-60 ' ;46 0/ : 0*67; 0' 7*3 =,0 3,*+' 7 -1,/,6424-' ,>42/' 8.0*' 3,-6, 03 B =/U-' G 3",9& ' "#/' D 07 : 6/00F' /4,6 8,6.' 7 -4+7/=' 14 1' -57/50 =' 75,3 ' O223 26 7 ?0/=' ,*0 60G64/0' 7*3 : 2/0 ?7 47; 0' 6.7*' 6.76 2 ' 6.0 6/&? O -" ' D 3",9& ' $3" #8/!#& D 0/?,50F' #/4,6 .7/-.' 6.0*' 75,3 ' 7/9 2/ : 0/ =' 0 : 1 2=03 7-' 7*' 7-6/,*+0*6 ,*' 3=-0*60/=

"/$/-9& J/"M!9& ' /4,6 14 1=' 03,; 0 B _ ' ?-/2/8#%/' 786.2/*' -2 4-0 4 ' 2/ .03+0-S O + '&.#!9& 7 '" /8#2/' D 03 7/F' /4,6 .7/-.' ;052 : ,*+' 14 1=' 7*3 -8006 7 60/',6 ,-' +76.0/03 ' 03,; 0' 7-6/,*+0*6 B G "#3%3$"-/ /.38#2/5 6.0 2>476 7 30--0/6 /4,6 2 ' .,*7 7*3 !717*' ,-' *2? ' 54 6,?7603 ,*' 7 ' A87/ :' 524*6/,0-S

3&/' 2/8#8/' D 2+ 2-0F' /4,6 14 1e ' : 79,*+' 7*' 7-6/,*+0*6 7*6,-016,5 1/0-0/?0 ' .0 75.0*0-' 7/0 7 ?0/ : , 4+0J =24*+' 0 7?0-' ,* 4-03 7-' 607 ' 226 2, : 0/ =' 1/7,-03 7-' 7 -105, ,5 7+7,*-6 .=3/21.2 ;,7 D8.0*50 ,6-' *7 : 0F' 60 : ' /0>40*6 =' 1/0-0*6,*+' 7 : 2--=' 0G5/0-50*50 D 2 ;,*#' ,*54-.,2*F' 574-03 ;=' 6.0 A14*564/0 2 '7*' ,*-056 ' 7*3 2/ : 0/ =' 4-03 ' 4*30/' 6.0 *7 : 0 2 ' ,') '79/"5 7-' 7 3,4/06,5 ' 7*6.0 : ,*6.,5C ' 7*3 7*6,-52/ ;46,5 B ' /!!#2/' D 3&*')'' "3('82' ' 067 -' 7-6/,*+0*6 ' 7*3 7 2/3 52*-0/?0 2 ' 2-0-' 7*3 .2*0=' 2 ' 2-0- B ' 2'8$#:3!#/5 */!'8)/"9 5 3&2%/$/5B)/ /&'/?/`5 "5' .0 1067 -=,0 3 2-0 8760/';=' 3,-6, 76,2*' D0 : 1 2=03 ,*C : 79,*+' 7*' 7-6/,*+0*6 0=0876 0/F' 7*3 ';=' : 750/76,2*',*' 2, ' 2 ' -0-7 : 4 : ' 6.0' 7667/' 2 ' 2-0-' 4-03 ,*' 10/ 4 : 0/= O -"# 38#/' 9./!3"#/' 7*3 ' 3)3"/$/' 'D +/, : 2*=F' 07?0-' 7-6/,*+0*6 ' 0 : 1 2=03 7+7,*-6 7*+,*7' *01./,6,-' 14 : 2*7/=' 5767//.-' "5 O !2%' #!!/' (?)7/?#& D 73=#-' 7*6 0F' 07?0-' 7-6/,*+0*6 ' ?4 *0/7/= O /879#&3",/' 3::#2 /!#& D /076 4/*06F' 7*6 7-6/,*+0*6 O 3$'"#? ' /879#&3",/' D 7 73 4/*06F' 7*6 4-03 2/' 2/7+0' 7*3 7-' 7 52*3,: 0*6 ' 7-6/,*+0*6

>9% ':8)F43&9&' D /7 : ; 0' 2/' 759;0//=F' /4,6-' 03,; 0' 776/,*+2*6' _-2,,,26,,*0-' *26' 8 61 ' /,10F' *-' 7/0' 6;0' ;43- B ')2'9&' D 7-1;0//=F' /4,6' 10/ 4 : 03' 75,34 24-' 7*3' -,, 7/=' 0 : 1 2=03' ,*' 6 ,0' 1/017/76,2*' 2 ' 0 e' 7*3' 7-1;0//=' ?,*0+7/ B (/# /"#/' ('&2/' D 6/78;0//e' #7*6' 03,; 0' 7*3' : 03,5,*7 ' /4,6' -4554 0*6' 10/ 4 : 03' 226' 7-6/,*+0*6' 7*3' 3,4/06,5 B' 3" '8$!9' '"'2$/5' 9$'8$#!!/' "" #$/## *5' /88'"%#/5' 226-' 7*3' 07?0-' 7-6/,*+0*6 B 29 ' 9"%/89 ' 7*3' "#2/!9' D ?0* -F' 226' 7/2 : 76,5' ;,660/' 62*,5' 7*3' -6,: 4 76,*+ B 1"#@/&' 32$3 $'$/!/' ,7*6' 7-6/,*+0*6' 62*,5 B .0' 280/-' 2' "/-2"/' /8$%2! #84:8(/5' 7*' ;=-' -,4,7*' 6/00' 7/0' 8,6.' 6.0' ;7/9' 2 ' 6;0' 2 : 0+/7*760' /226' 6;0' : 2-6' 0 ,575,2,4-' 9*28*' /0 : 03=' 2/' 6,0*,7' ;0' /226-' 2 ' .#"//2'2'5' ,90'6.2-0' 2 ' "-/)'225' 7/0' 7-6/,*+0*6' 7*3' 52*;,,*' /0-,*24-' 7*3' 7/2 : 76,5' 1/,*5,1 0-' 8 .,5.' /0*30/' 6.0 : ' ;,660/' 62*,5' 7*3' -6,: 4 76,*+J' -45.' 7/0' .#"//' #1#.'8)9!/' D /21 82/6F' "9829&54 7*3' !$8/8/' D 07328-8006F J 6.0' 280/-' 2 ' 6.0' 7660/' 7/0' 4-03' 62' +,?0' 7' ;24>406' 62' 8,*0' 7*3' 6.0,/' 8760/=',* 4-,2*',-' -432/, ,5' 7*3' 52/3,7

.0' 6/,;0' 2 ' -7)/!' ',-' *26' 0--' 4-0 4' 6.7*' 6.76' 2 ' 3 /232'5' 7*3' 6.0' 0 ?50 0*50' 2 ',6-' /4,6-',-' 340' 62' 54 6,?76,2*' 6.0' -4+7/=' : 7660/',*' 6.0 :' 2?0/1280/,*+' 6.0' 75,3' 8,6.246' 0*6,/0 =' 3,-+4,-,*+',6' 7*3' +,?,*+'7' 30 ,5,24-' 67-60' 62' 6.0' 3/410' 7*=' -105,0-' 7*3' 0-105,7 =' 6.0' ,660/' : 2*3' 4/6.0/' 52*67,*',*' 6.0,/' -003' 7*3' 0?0*',*' 6.0,/' 07?0-' 6.0' 0 0 : 0*6-' 2 ' .=3,#25=7*,5' 75,3' 2,*03' 62' 7' 1054 ,7/' ?C2 76,0' 2, ' 8 .,5.',-' 2* =' 30?0 2103',*' 52*6756' 8,6.' 8760/' 7*3' 8.,5.' +,?0-' 6.0 :' *7/526,5' >47 ,6,0-' .0,/' 8223' ,90' 6.76' 2 ' 2*]750//',-' : 45.' 4-03' 2/' 2,*0/-# 82/9' .0' : 2-6' 4-0 4' -105,0-',-' -7)/! '23 898#&' D : 2*3F' 7' 6/00' 2 ' 6.0' 03,60//7*07*' /0+,2*' .0' 3,#410' 52*6/7/=' 62' 6.76' 2 ' _ : 7*=' 2 S' 6.0' 26.0/' -7)/!':'5',-',;/24-' 52/,75024-' 7*3' 3/=' .0' -003' =,0 3-' ;=' 0G1/0--,2*' 7' :,3' 7',:0*67/=' : 03,5,*7' ,G03' 2, ' /0*30/03' -2 4;0',*' 8760/';=' 6.0' +4 : ' -4+7/' 7*3' 7 ;4 :,*0' 8 .,5.' 7552 : 17*=',6' 7*3' 2/ :,*+' 7' 64, 9=' 0 : 4 -,2*' 8,6.' 8 .,5.' C 225.-' # 7*3' 6.0' U-,/21' 3#2/+076 # 7/0' 1/017/03

'"&#'/' (9!7/"#&' D 075.F' '6/00' 2/,+,*7 =' /2 :' .,*7' 8,6.' 03,; 0' /4,6' .0' -003' 52*67,*-' 6.0' 0 0 : 0*6-' 2' .=3/25=7*,5' 75,3J 6.0' /4,6' 7*3' 5/4-.03' 90/*0' 7/0' 4-03',*' 6.0' 52 : 12-,6,2*' 2' 83-/9]' .0' 280/-' 7/0' 4-03',*' 7' 14/+76,?0' -=/41 B ' 2'(#& D 0567/,*0F' /4,6' 8,6.' 7' -2 6' 01,27/1' 03,; 0' /,+,*' 4*9*28*' _1/2;7;=' 7' ?7/,06=' 2 '6;0' 075.S

" '8#/'/' ($)-/"#&' G 4-?#23$' /00' 2/,+,*7 =' /2 :' *2/6.0/*' -,7' D .,*7NF' /4,6' 03,; 0' 0-.' -4554 0*6' 10/ 4 : 03' _ : 45.' 4-03' ;=' 6/7?0 0/-' 3/,03' 7*3' 1/0-0/?03',*' 6.0' 2/ :' 2 ' 76' 5790-' 6./24+.246' 0*6/7' 7*3' O0-60/*' -,7S'

"# 9&'&-883&/' D 20F' *',*3,+0*24-' 6/00' 280/-' 14/+76,?0' /4,6-' ?0/=' .,,/-.' 2* =';052 : ,*+' 03,; 0' 8.0*' 6.0' /2-6' .7-' -2 60*03' 6.0' 14 1 ' 7/9 7-6/,*+0*6' ;,660/' 7*3' 0;/,4+0 B ')3 '&$#2/' DO, 3' 4 : F' 7*3 6-' 8,3' 52*+0*0/' 6.0' 4 750' D '#8&#$#$#/ 5 /"'5' -1/0,,3' 2?0/' 6.0' 60/.10/760' /0+,2*-' 2' 6.0' 82/3' /4,6' 03,; 0' 7*3' :03,5,*7

'"/&9& (#9 'DO, 3' .0//=F' ' 4/2107*'-105,0-' 3/410' =,0 3,*+';=' 0/ : 0*676,2*' 7*3' 3,-6, 76,2*' F#"&2%#3/&&'"'/#4##' .0/,=' 8,*0' O223' /033,-.'=0 28' ? 7 403' ;=' 57;,*06 : 790/-' ')9"/2#8/' D ,+ : 24F' '-105,0-' *07/' 6;0' 2/ : 0/' /410' 03,; 0' 7*3' 0-.' 73.0/,*+' 62' 6.0' -62*0' 76,?0' 524*6/=' 4*9*28* B ' 9!#/8/' D 07*F' /410' 03,; 0' 0-.' 07-,=' -017/76,*+' /2 :' 6.0' -62*0' 76,?0' 524*6/=' 4*9*28*' B ' 2/."38#/8/' D /,2660F' ' 6/00' 2/,+,*7 =' /2 :' -,7' ;/24+.6',6',-' -7,3' /2 :' 0/7-2*60' ;=' 45 4 4-' 7 60/' .,-' ?,562/,0-' 2?0/' ,6./,3760-,' /4,6' 03,; 0' : 45.' 5.7*+03' ;=' 54 6,?76,2*' 0-.' 75,34 24-' 7*3' /0 /0-.,*+ B' ' +/%/!',5 O223' -24+.6' 7 60/' ;=' 57;,*06 : 790/-' 4*30/' 6.0' *7 : 0' 2' I 8223' 2' 6' 45,7' 003' 2' 7' :,3' 67-60' 7*3' -8006' - : 0 ' /0*28*03' 71,2*+-6' 6.0' /7;-' 7+7,*-6' 57 54 4-',*' 6.0' ;7330/' =,0 3,*+';=' 0G1/0--,2*' 7' ,G03' 2, ' 0 : 1 2=03',*' 10/ 4 : 0/e' B ' /)9&' D ,/3' .0//=F' 7/9' .,660/' 7*3' 7-6/,*+0*6' 1/212-03' 7-' 7' -4;-6,6460' 2/' >4,*,*0 B ' /#$"3> '"/&9&' ' 6/00' 2 ' -,7' ,*2/' 8,6.' 7/2 : 76,5' 07?0-' =,0 3,*+';=' 3,-6, 76,2*' 7' ?2 76,0' 2,' 7*3' 7' 52*-,30/7;0' 7 : 24*6' 2 ' .=3/25=7*,5' 75,3' ,-6, 03' 8760/' : 03,5,*7' 743' *7/526,5' 0?0*',*' - : 7 ' 32 0-

%"-&3%/!/8'23' 1/23450' 03,; 0' 3/410-' 7 : 2*+' 8 .,5.',-' 6.0' 2527' 4 : ' 2 ' 6.0' O 0-6' *3,7*' %"-&3>' %/!/89&' 2/23' 7*3' ?7/,24-' 26.0/' -105,0-' 7-' 7 -2' -2 : 0' 2 ' 6.0' 7 '8'"/' + 3M9#!#/' 7*3' /"#88"#9 ' .0' 7660/' +0*4-' ,*.7;,6-' ;26.' 6.0' 08' O2/ 3'**3' 6/21,57' O 0-6' /,57' ' '$2'!&98#,-' 6.0' 24+.' 9,*' 2/' /0=' 4*' 2 ' ,0//7' 02*0J 7*3' ' /'"3.%-!!9 '6.0' ,*+0/;/073' 4 : ' 2 ' 6.0' -7 : 0' 52 2*=' .0' 07?0-' 2 '6.0' 2 =*0-,7*' '!/9"#89 ' 7/0' 4-03' 2/' 6.765.,*+',6-' /24+.' 8223' 2/' -17/-' 7*3',6-' -003-' 2/ 7' 10/ 4 : 0

; 987*C?' *' 89;47' R@9@8' 7' 7989' * @=9=' +0'' +79' +8@9' 83-/9' ? *' &9?' ;=*;' R@9@8' *-0@89=' / +7' +79' -003-' 2 ' '"/&9&' 322#)'8#/!#& 5 "

_ .0 ;7/92 +3M9# /9$! 56.0 2660/= /00 2 6.0 :7M2/,-7;24*3-,*-,,57 62 -45.7*0G60*6 6.76 8.0*14 ?0/,M03 7*3 :,G03 8,6.7 5 7=,6,-4-03 ,*:7 9,*+12660/=;=6.0 *76,?0-2 7/7 J## M/ /.38/"#/7*3 %"/)!#'8&#/=,0 3 ;7/94-03 7-271 7*3 52*67,*,*+7 -60/*46762/=7 ,03 62 -712*,*0 B ;]

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= 798>*490@? 08 ?@> /00=A# ?0B9+ B9? /00=A# -*8 *> 9 ; *CC9*8*;49 M * +98;*+9 08 0CC0? +9# ?0B9+ B9? /708 9=" &$#.9!'& ; ;+79 798>*490@? ?C94 9?# ;+98C9+ 0 *8 ; +79 /00=A# =94 =@0@? 89:@ *8 08 8*89 A 889:@ *8# -*8 0@? A *88*;:9= $ @?@* A C9;+*B980@?' &'./!& = ?+ ;4+ 08 40;;*+9 : N# 8*89 A 9/98# ;?98+9=0; *= ?F ; ;:+79 4* A5 +@>9# *;= * +98;*+9 / +7 +79 ?9C* ?# :9;98* A B>8 4*+9 ; ?9?+ -*+0;# -98A 8*89 A G %"-&3> &.!'8#9 = ;?98+9=* +98;*+9 A / +7 +79 C9+* ?# 08=0@> 9 +79B ; ;@B>98# -98A 8*89 A ;=9 ; +9 G /A#'"/ :#!/ '8$& 08B# ?@>@ *+9" /8$%'"& ;+8082?9# 49 9=# 0-0 =# =97 ?4 ;: 0; : +@= ;* A @?;* A # ?0B9+ B9? H D '#!!#/ 5 8*89 A M 08 # 899# 08 @; +9=/ +7 +79 8949C+*4@ *8 4@C ;+0 *;0-*8A 0 B089 08 9?? C98 94 49 ?' &$-!'& *;=& $#7 /& +98B ;* # ? BC 9# ?0B9+ B9? 40798 ;: D 3!-3& / E 3(9!'& @?@* A ;@B980@?# 59= 9 +798 +780@:70@+ +79 8 9 :+7# 08 +0 +79 >0++0B 08 +0C 0 +79 C *49;+*?# 708 <0;+* # *?49;= ;: 08 C9;=@ 0@?# *;*+80C0@?' &$#7 /& +98B ;* # ? BC 9# ?0B9+ B9? 40798 ;: G 3!-3& / - 4*C?@ *8# 8*89 A ;=97 ?49;+# ,B089 8*89 A 9?7A G 3!-3& / ' 2/".'!& ?9C*8*+ ;: / 79;8 C9 *+ +79 8 ;;98 9=:9# 9 +798 80B +79 +0C =0/;/*8=?# 08 +79 89-98?9 = @?@* A ;@B980@?# -98A 8*89 A ?0 +*8A# 08 =9 ; +9# ?B* $'&$/' ?B00+7 08 C@;4+*+9# ?0B9+ B9? / ;:9= ?+8* :7+# ;+79 *5 ?0 *9?7A *>@;=*;+* >@B9;# *;=;9*8 A 9R@* ;: + ;9;:+7 23$-!')38& ?708+# ?9B 4A ;=8 4 "/)#2!' ;9*8 +79 7 @B# = 894+ 0; -*8 0@?

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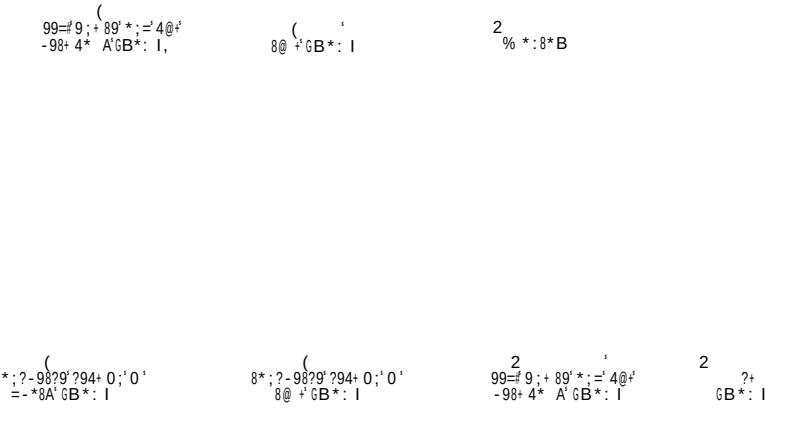

78@>?' O8' +899?#' 47 9 A' 80B' +79' ?O@+798;' C*8+?' O ' >O+7' 4O;+ ;9;+?' 9*-9?' OCCO? +9#' ? BC 9' O8' 4OBCO@;=' ?+ C@ 97' ;+98C9+ O *8 ' * A5' B>8 4*+9' O8' -* -*+9' ;' *9?+ -*+ O;' 9+* ?' #' O8' +*B9;?' #' O8' H #' O8' H H #' O8' OO' -*8A' 899' O8' 8*89 A' *=7989;+#' @?@* A' O ' M' 4*8C9 ?#' ?OB9+ B9?' O ' ' 899' 4*8C9 ?' / +7' 407989;+' ?+A 97' G .#"2'/8$ #' 9 5

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+9B' /OO=A' 9*-9?' OCCO? +9#' 95?+ C@ *+9' 9+* ?' #' -* -*+9' ;' *9?+ -*+ O;' +*B9;?' -*8A' ; 98 O8#' 49 9=' C *49;+*?' #' C*8 9+* ?+A 9' 9 O;:*+9=' ?+ :B*' ? BC 9' 988A' H ?99=9= 1' 78@>?' O ' +8OC 4*' ? *' *;=' @?+8* *#' ;9*8' + /"!'/' B+/87#' `5

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P &07 2*,7' P 607

b 79' 0 0 / ;:' ?' +79' B0?+' 8949;+' 9 *>08*+ 0;' 0 '+79' :89*+' *B A' 0 ' /?#:"/7'&5 *?' @;=98+*F9;' O8' +79' 2 9;98*' *;+*8@B' .

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B98O@? +*B9;? 08 # * +98;*+ ;: / +7 ?4* 9? -*8A G8*89 A I 0 03 G ;+98B9= *+9 >9+ / 99; . 3! / ! * *;= W "/82./5 '$#!!/

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C 00 2/30/ %#%#)#!.!#22"5 1' (Y% # 00 2/30/ "2?#/2'W'5.' (Y< # 00 2/30/ '.F)3$'/5 1' (YY

/?#:"/7'&5 3,?,303 .0/0 ,*62 ,?0 -4. 2/30/ ,' 7/0 52**05603 : 2/0 2/Ž 0--5 2-0 =8,6.' 7 +223 : 7*= 7 : , ,0- .0 6/40 /?#:"/7'& 711/275.' "/& !/2'& ,* : -6,?76,2*' 3,1 0-60 : 2*= 7*3 ,*-0/6,2*' 1' 6.0 52/2 7' 571-4 7/ /4,6' .0/ ;75024-5 -60 :' 7*3 5= : 2-0 280/-' .0= /0 -0 : ; 2 7$%"/"#'$'' ,* 6.0,/ 10/,+=*24-5 1067 -5 8 .,5.' 7/0 , : ; /,5760 ,*' 7,-6,?76,2*' 7*3 ,-2-60 : 2*24-5 2/ 3,1 2-60 : 2*24-5 7*3 ,*' 6.0 571-4 7/ /4,6J ;46 ,*' -$F"/"#'&6.0 0 : ; /=2 ,-5 0G7 ;4/7,*24-5 .0/0 ,-5 7 -2 7*' 06C,30*6 7*7 2+= ;06800*5 -2 : 0 +0*0/7 DA 9$'#/5 ($%2/5 &$#!,'' 7*3 .#"&/' "$ 29& ;0 2*+,*+5 62 !#3&/$42&' 0-,, 0-5 6.0 /0-0 : ; 7*50 ,*5 .7 ;,6'6.0 52/2 7 ,-5 12 =1067 54-5 , : ; /,5760' 10/,+=*24-5 12 =7*3/24-5 2/ 3,1 2-6044F*24-J 6.0 57/10 -5 7/0 3,-6,*56 D76 07-6 ,*5 9$F'/ 5 7*3 210*5 ;=5 6.0 ,**0/ 03+0'6.0 07?0-5 7/0 7 60/*760' 7*3 ,* 3$'#/' 5 07/ =5 -6,14 760' O 0 .7?0 ,*3,57603 6.0 76 ,*,6,0-5 2' !#)"/87'"'' 8,6.' 4%#%9 #.%'22 D-00 6 ,,-5 7 : , =F' .0=5 7 -2 /057 ' ;=5 .7 ;,6 7*3 ,* 2/0-50*50'6.0 +0*4-5 #%9"89 5 ;0 2*+,*+5 62 /."#:3!#/2'/ Y ;46 ,*5 -)"/87'/'6.0 -017 -5 ;052 : 0 1067 2,3'7*3 ,*' 6#,9"8 8 6.0 52/2 7 ,-5 0* 7/+03' 2/ 7 52 : 17/,-2*5 ;06800*5 &2/!!38#'& 7*3 #38#/22& 2*5 6.0 2*0 .7*3' 7*3 !/ / 2!#)'& 2*5 6 ,0 26 ,0/' -00 6.0 7660/ 7 : , =' .0 /?#:"/7'&.7?0 7 -2 -2 : 0 12,*6-5 2' /0-0 : ; 7*50 8,6.' / /&&#'& D-00 6.,-5 7 : , =CF' ,*7 =' 80 : 4-6 *26,50 7 /07' /0 76,2*' ;06800*' A'/!!38#'& 7*3 "3&&9!/"#' J ,*' ;26.'6.0 1067 -5 7/0 ,-2-60 : 2*24-5 7*3 , : ; ,C,5760 ,*' ^0-6,?76,2*' 6.0 2?7/=5 ,-5 ,* 0/,2/ 7*3 2*0 50 03 J 6.0/0 7/0 682 -6= 0-' 7*3 6.0'0 : ; /=2 ,-5 7 ;4 : ,*24-5 6.0 -60 :' 8223='7*3 6.0 07?0-5 7 60/*760' 46 ,*5 "3&&9!/"#'&6.0 1 750*676,2*5 ,-5 : 2/0 5 07/ =5 17/,067 ' 6.0 /4,6 7 ;0//=5 6.0 60-67 2' 6.0 -003 +0 76,*24-5 6.0 0 : ; /=2 : ,*460'7*3 6.0 07?0-5 17 : ,*0/?03

X 07/ /?#:"/7'&-.24 3 ;0 1 7503 6.0 ,66 0 +/241 2'1#/ 3".%'&D52*-,-6,*+5 2'1#/ 3".%/'7*3 '8 $%3"98# 5 1 7503 ;=5 : 2-6 746.2/-5 ,*5 "/&&9!/2'&5 /2 :' 8 .,5.' ,6 3, 0/-5 ,*5 ,6-5 : 7*= 50 03 2?7/=5 7*3 0-105,7 =5 ,*5 ,6-5 .7 ;,6J ,6 *7=5 ;0 7 ,03 2*5 6.0 2*0 .7*3 62 /?#:"/7'&5 7*3 2*5 6.0 26.0/' 10/.71-5 62 387/$# 8 D .##'832!'/5 2' 70/6*0/F' 8.,5.' !4--,04 1 7503 *07/ 3"$9!/2'& _' : 2*21067 24-5 +0*4-5 2/ 2/30/ 1 7503 *07/ / ./8$)/2'&`5

.0 3, 0/0*6 6/,;0-5 2' 6.,-5 7/+0 7 : , =5 25541=5 3, 0/0*6 524*6/,0-' .0 6/40 /?#:"/7'& : 2-6 =5 ,*.7 ;,6 6.0' .,+.' : 24*67,*-5 2'6.0 *2/6.0/*5 .0 : ,-1.0/0'7*3 7/0 : 2-6 4 =5 /01/0-0*603 ,*5 : 0/,57 J 6.0=5 7/0 ?0/=5 /7/0 ,*5 6.0 6/21,5-5 7*3 7*67/56,5 /0+,2*-5 9838#'& 7/0 /0>40*6 ,*5 6.0 -246.' 60 : 10/760 M2*0J 6.0=5 7/0 0--5 52 : * 2*5 ,*5 6/21,57' : 0/,57' 7*3 .7?0 *0?0/*;00*5 24*3 *2/6.' 2' 6.0 6/21,5' -)"/87'& 7/0 *26 /7/0 ,*5 4110/ *3,7' !717*5 7*3 246.' : 0/,57' ;46 ;052 : 0 -2 ,*5 0/4 7*3 !7?7' &2/!!38#'& 7 ' ;0 2*+5 62 : 0/,57' 7*3 7/0 2/ 6.0 : 2-6 17/6 6/7*- 6/21,57 ' _ 7/,24-5 +0*0/7 7/0 *76,?0-5 2' 4-6/7 ,7' 08' h07 7*3'6/21,57'7*3 60 : 10/760 -,7' 246.' /,57'7*3 6.0 ,- 7*3-5 2' 74/,6,4-5 743 737+i,-57/ S .0 4-0 4'1/210/6,0-5 2' /?#:"/7'&7/0 4*, : 12/67*6' .0 : 45, 7+,*24-5 75,34 24-5 07?0-5 7*3 6.0 /226 .4 ;-5 2' 9?:"/7/' 7"/89!/$/' 80/0 2/ : 0/ =5 1/7,-03 7-5 1280/ 4' ,6.2*6/,16,5-' '$"#)/2$-!#$#&' 87-5 0 : 1 2=03 ,*5 3,-07-0-5 2' 6.0 ,?0/' 7*3 %"-&3&.! #9 ' 87-5 7 /01460 3 62*,5' .0 /0-,*24-5 ;43-5 7*3 7/2 : 76,5 07?0-5 2' 6.0 &3/!!38#'& 7/0 -, : , 7/ =5 0 : 1 2=03 ,*5 0/4 7*3 . , ' _ .0 07?0-5 2' ?7/,24-5 =3/7*+07-5 : 790 7 . ,+. =5 0-600 : 03 607 ,*5 !717*' '#8 /88#/'=,0 3-5 7*5 7-6/,*+0*6 ;7/9' 4-03 ;26.' 7-5 7 : 03,5,*0 7*3 2/ 7**,*+5 1=,/12-0- S

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0 ' .3!-.'$/!39&5 ':#7-839&5 (/!(/$'' 3'" 238$3"$')' #8' 2'&$#(/$#38 ' = ')39,!'' 3'" /' 9!$#.!'' 3:' $%'' 89 ,'" 3:' $%'' .'$/!& ' # ' #8:'"#3"5 /8->2'!!')5 <#$%' /8->3(9!')' 2'8$"/!'.!/2'8$/& ' -! ' .'8)9!39&' 3'" /&2'8)#875 # ,"#2/$' ' /' 2/.&9!' ' = ' <#$%' /' ' ,"/839&' !33&'' $'&$/ ' /!,9 #839&5 /?#!' 8 = ' <33)-' M ' 3..3&#$'

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%#!/)'!.%' '711/275.' /?#:"/7'2&5'#" %'A -)"/8722 5',*'6.0'01,+=*='70-6,?76,2*'7*3' 3,1 2-60:2*='2'6.0'52/2 7'6.0' :7*=2?4 03' 50 -'2'6.0'2?7/='3,-6,*56' -6= 0-'571-4 7/' /4,6'-6/7,+.6'7 ;4:,*24-'7G,0' 0:;/=2'8223='-60:'7*3' 2112-,60' 07?0-' .0='.7?0'-2:0'7 ,*,6,0-'8,6.' 8/7"/"#'$'5' 24*303' 2*' 6.0' ,*-0/6,2*'7*3'70-6,?76,2*' 2'6.0'1067-'6.0'*4:0/24-'10*34 24-'2/'7-50*3,*+'2?4 0-'7*3'6.0' 254 ,5,37'2/'-016,5,37'571-4 0'J ;46' 8/7"/"#'2'' 3, 0/',*'6.0'-6/4564/0'2'6.0'60-67'7*3',*' ;0,*'+'0G7 ;4*,,*24-

%#!/)'$.%'2'',*.7;,6' 246.' 4/210' 110/' *3,7'7*3'!717*';46'7/0'*28.0/0'*4:0/24-

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'O8' - % 9M '* +98;*+9# ?@> 408 *490@?# 9;+ 89' O8' ?C ;0@? +00+79=# 95?+ C@ *+9' * ';' *5 *8A'*;='+98B ;*' @B>9?' "$' N =# C98? ?+9;+# 99?+ -*+0;' B>8 4*+9' : ' # ?7O8+ A' 4*/9=# ;?98+9='0;'+79' 9=:9'0 '*;'*;;@ *8' = ?F# C98 :A;0@?# 9?+ -*+0;' 40;+O8+9=' G "'?#/' O8' B>8 4*+9' G ?'"%/' = ' * +98;*+9# *440BC*;9='>A' C* B*+9' ?4* 9?' /7 47' *89' OCC0?+9' +0' +79' C9+* ?# *;='40;E ;94' +79' >*?9?' 0 '+79' ?@>@ *+9' *B9;+?' /8$%'"&' ;+8O8?9# 49 9=# =97 ?49;49' 0;: E +@= ;* ' # "' 899# 0 'N' B*;A 0-@ 9=' 49 ?' &$-!'' ?7O8+' &$#7 /' N 0>9=' 3(9!'& ?98 *+9# 7O8 <0;+* # *;*+8OC0@?' - '*' ?=9='=8@C9' / +7' C*C 0?9' 9C 4*8C' *;='>0;A'9;=04*8C# O8' *' 04@ 4 =*' 4*C?@ 9' G ?'"%/5' = '7O8 <0;+* # ?7O8+ A' @;4 9=# 0-0 = *;;@ *8# ?7 ; ;:'+9?+*' B9B>8*;0@?' " 'b* BO?+]' 95* >@B ;0@?# ?+8* :7+' 23$-!')38& 3%#"?&'Y "/)#2!'' 9A ;=8 4

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a/ +7 +?' ?9 : B 9 ; +?# 44?+ -*+ 0 ;' B>8 4*+9# B*849?49 ; +' = ' ; ?98+9=' * +98 ; *+9 A' / +7' +79' C9+* ?' :#!/ '8$&' 98B' /8$%'"&' ;+8O8?9# 49 9=# 0-0 =' O8' 0> 0 ; :# + C' 9B*8: ; *+9' O8' C0 ; +9=' O8' Y: *; =@ *8# =97 ?49 ; 49' 0 ; : +@= ; * ' # (' ; O8 0 # H 49 9=# 480 / ; 9=' >A' *' +7 ;' = ?F' 4.!/2'8$/&' # 8*89 A' M' O8' # ;98- O8B# C*8 9+*' O8' 9=: ; :' ?9B ?9C+*' &$-!'&' *?' B*; A' *?' C *49 ; +*?# = ?+ ; 4+' O8' BO89' O8' 9?? 407989 ; +' &$#74 /&' ?7O8+# = ?+ ; 4+# 0>+@?9' 3(9!'&' @?@* A' ; @B980@?# C @8 ?98 *+9# 7O8 <0 ; +* # ?7O8+ A' @ ; 4 9=# *; *+8OC0@?' K ' 480 / ; 9=' >A' +79' 4* A5' *; =' +79' / +7989=' C9+* ?# H 49 9=# C@ CA' " ' *; : @ *8' $'&$/' : 9 *+ ; 0@?' '8)3.!'9"/' 48@?+*490 ; ?# *=798 ; :' +0' +79' * >@B9 ; ' " ' -98A' ?B* # ?+8* : 7+## *+' +79' >*?9' 0 '*' 708 ; A' * >@B9 ;

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##, 2&#/3'/# . 7?0' : 7*='7*7 2+,0-'8 , 6 . ' /2$2/' D 8 . , 5 . ' -00F' . 0='7/0' *07/' /?#:"/7'2'5'6/, ; 0' /2/!!38#'/5 ,*' 6 . 0, /' 8223='-60 : ' 7 60/*760' 07?0-' /750 : 03' 280/- ' 12 =1067 24-' , -2-60 : 2, 24-' 01, +=*2, , -' 52/2 7' , * 0/, 2/' +0*0/7 ='T 57/10 7/='2?7/='7*3'7 ; 4 : , *24-' 0 : ; /=2J 6 . 0='7/0' -017/7603' ; ='6 . 0, /' . 7 ; , 6' 0- . =' /4, 6' 14 1='-003-' 7*3' : , *460' 0 : ; /=2' B #' C43&&9!8"#/', -', *3, +0*24-' 2*' 6 . 0' 2/2552' 6 7- B : S #, '&$/22/' , *. 7 ; , 6' 6 . 0' 60 : 10/760' 7*3' 52 3' /0+, 2*-' 2 ' 6 . 0' *2/6 . 0/*' . 0 : , -1 . 0/0' 0-105, 7 =' 2/6 . ' : 0/, 57J 6 . 0='7/0' /7/0' , *' 246 . ' : 0/, 57 ' 7*3' 7 ; -0*6' /2 : ' /, 57

- 4' A3 & O #%'&'"9, "<8' D 4//7*6F' 0//, 0-' /03' 2/' 8 . , 6 ' 52*67, *, *+' 7' -4+7, =' : 45, 7+0' 52 : ; , *03' 8, 6 . ' 5, 6/, 5' 7*3' : 7 , 5' 75, 3-' J : 45 . ' 4-03' 2/' 30--0/6 Z7*3', *' 6 . 0' 1/017/76, 2*' 2 ' 7' -=/41' 7*3' 7' 0 = ' B ' (/>'"#& ' D 22-0 ; 0//=F' /4, 6' O, 6 . ' 7' -4+7/=' 67-60' -24/, -. ' 7*3' - , + . 6 =' 7/2 : 76, 5' 4, 50' 0/ : 0*6P' 7 ; 0' 7*3' 4-03' , *' *+ 7*3', *' 6 . 0' 1/017/76, 2*' 2 ' 7' -1, /, 6424-' , >42/' _1/2 ; 7 ; =' 22-0 ; 0//=' 8, *0' , -' . 0/0' 7 4303'62 B * S B 5' "@"9 'D 759' 4//7*6F' 0//, 0-' 52*67, *, *+' 7 /0-, *24-' 7/2 : 76, 5' 1/, *5, 1 0' 2/ : 0/ =' 0 : 1 2=03' : 03, 5, *7 >' *28' 2/ : , *+' 6 . 0' ; 7-0' 2 '6 . 0' 1214 7/' 3/, *9' 57 03' f57--, -#

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989 ; ; * ' ' / +7' ?7O8+' ?@>+988* ; 9* ; ' 87 <0B9?' M ' ; ' *' 8O?9++9' *+' +79' +0C' 0 ' +79' 87 <0B9#0 ' +/0' 08B?) ?0B9' *+#9 C+ 4#9 ; + 89# ; 98-9 9??# /=+7' *?@>4A ; ' =8 4' C9+0 9' = *+9=' *+' +?' >*?9*' 0+798?' D/&2#)#/ 5' ?4*++989=' *B0 ; : ?+' +79' 8?+#*89' 40BC0?9=' 0 ' *' C9+0 9' / 7 47' ?' = *+9=' *+' +79' +8 C' ; +0' + / 0' C?# 0 ' / 7 47' +79' 0 / 98' ?' *8 : 9# 70 0 / 9=' ; +0' *' 4@C# * ; =' 0C9 ; ?' >A' *' 4 84@ *8' O8 49' +79' @CC98' ?' ?B* 98# *+# ' *; =' ?98-9?' *?' *' ='+0' +79' 4@C ' = ' ? BC 9# / +7' ?4*++989=' * +98 ; *+9' >8*4+?# +98E B ; *+ ; : ' ; ' *' ?C F9' 40BC0?9=' 0 ' 0 / 989=' C*8+ * ' ?C F9?' @8 ; ?79=' >9 0 / ' / +7L' ; 9*8' >8*4+?' : 9* ' ; ' *' 408AB>#?B* # / 7 +9# 9>8*4+9*+9' "$' 40 0@89=# N ='&'7 '8$&' 0-*+9 *; 490 *+9# -* -*+9' ; ' B?+ -*+ 0 ; # Y/ +7' *' ?B* ' +00+7' *+' +7 9' +0C' / +7 ; # 4 0+79=' *+' +79' +0C' 0 ' +79' 4* A4 ; 9' +@>9# ?7O8+98' +7* ; ' +?' B>#+79' ? 5' / 7 47' * +98 ; *+9' / +7' +79' ?9C* ?' 0 ; : 98' *; =' 08 / *8=98' +7* ; ' +79' 0+798?' ' :#!/4 '8$&' ?D >@ *+9' /8$%'"&' 8O@ ; =9=# = =AB0@?# / +7' 0CC0? +9' 49 ?' 0C9 ; ; :' 0 ; : +@= ; * A' 2388'2$#('' ?@> : 0>0?9# ?C0 ; : A' # ' N# 480 / =9=# ?9?? 9# / 708 9=' 0 ; ' *' *+' 8949C+*4 9' *8O@ ; =' *' 49 ; +8*' >@ ; = 9' 0 '7* 8?# * +98 ; *+9' / +7' +79' ?9C* ?# ?@> 40BC89??9=# H 49 9=' &$-!'&' +98B ; * # 4A ; =8 4' &$#7 /&' ? BC 9' 3(9!'' ?0 +*8A# 9894+# ?@> >*? *8# *; *+8O

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.0 2* =' -105,0-' D6' ':3!!#29!/"#& ' ,* .7 ;,6-' 246. 80-6 4-6/7 ,7 ' 6 711/275.0-' ;26.' /?#:"/7'/' 7*3 &&##!/2'2'J 7-' ,*' 6.0 7660/' 6.0 -67 : 0*-' 7/0 10/,+=*24-' 7*3 324 ; 0 6.0 *4 : ;0/ 2 '6.0 1067 -' D, ' 7*' ,-2 : 0/24-' 52/2 7 ;0 -4112-03 62 0G,-6 8,6.,*' 6.0 57 =GFJ 6.0 57/10 -' 7/0 3,-6,*56' 7*3 6.0 0 : ;/=2 ,-' 7 ;4H : ,*24-' 6 3, 0/-' ,*' 6.0 70-6,?76,2*' 2 ' ,6-' 57 =G ' 6.0 *764/0 7*3 7;4*37*50 2 ' ,6-' 7 ;4 : 0*' ,6-' -2 ,67/=' 7*3 0/056 2?4 0 ' 6.0 30.,-50*50 2 ' ,6-' /4,6 ' 7*3 ,6-' 3, : 2/1.24-' 7*3 /73,57 ' 07?0-' 6-' 52**056,2*' 8,6.' /?#:"/-' ' ,-' -2 : 08.76 -, : , 7/ ' ;0-,30-' 8.,5.' -2 : 0 +0*0/7 2 ' /?#:"/7'2'5 ,90 ,6 ' 7/0 71067 24-' A%"-&3&.!'##% # ' 7 , 7/3, ;/0 ' 8.2 3,-52?0/03 6.0 1 7*6 ,.' 6.0 -87 : 1-' 2 ' 4-6/7 ,7 ' 7**0G03 ,6 62 3&/2'/5 8,6.'8.,5.',6 .7-' 7*' 4*30*,7 ; 0 7 ,*,6=J 6.4-' ,*' '.%/!3$9&5 7-' ,*' "-/&5 '< 5 "5 '6.0 -67 : 0*-' 7/0 10/,+=*24-' 6.0 57/10 -' 7/0 /00' .7 ?0 2*0 0/056 2?4 0 ' 7*3 ;052 : 0 75.0*0-' _/76.0/' 2 ,5 0-' 2/' 6.0 30.,H -50*50 ,*' '.%/!3$9& ,-' 52 : 1 060 ' B ' " :' J .46 3&/2'/' 7/0 0G7 ; ,, ' : ,.24-' -6,14 760 ' 12 =7*3/24-' 12 =07/10 7/=' 7*3 ' 0G5016 ,*' .#"//5 6.0 57/10 -' 7/0 ,*30.,-50*6 ' ,*7 =' '.%/!3$9& .7-' ;00*' 52 : 17/03 8,6.' / 829!/2'/5 ,*' 8.,5.' 6.0 57/10 -' 7/0 /00' 6.0 2?4 0 ' -2 ,67/=' /8)' 0/056 ' 6.0 7 ;4 : 0*' 7;4*37*6 ' 7*3 6.0 0 : ;/=2 - : 7 ' 7*3 ;7-, 7/J ;46 6.0 12 =-017 ,- : ' ;?12+=*,- : ' 12 =7*3/=' : 7*=' ,*30.,-50*6 57/10 -' 7*3 .2/*=' 7 ;4 : 0*' +/076 =' , : ,6 6.0 7*7 2+=' ;06800*' / 829!/2'/' 7*3 '.%/!3$9&

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9 8 9 ; ; * ' ' M ' ? @ > 8 * = 9 * #' A 8 * + 9 C ; ; * + = ' O 8 ' C * B ; 9 8 - 9 = #' ? ; @ O @ ? + O O + 7 9 = ' * ' > 8 * 4 + 9 * + 9 #' ;

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+98B ;* 8*49B9? $ C*8+ +9 : # 8*89 A # ;?98+9= *+ +79 >*?9 0 +79 4*+A5# 4 */9= = ;?98+9= / +7 +79 C9+* ?# 08 H 98+ 9 * +98;*+ ;: / +7 *? B*;A ?+98 9 :#!/ '8$& = ?+ ;4+# ?@>@ *+9 /8$%'"& ;+8O8?9# 49 9=# =97 ?49;49 0;: +@= ;* # 899# +9+8*:0;0@?# 0> 0;:# \>!3,')* *+ +79 +0C# 49 9=" &$#7 / ?9?? 9# / +7 0@8 0>9? * +98;*+ ;:/ +7 +79 49 ?" 3(9!'&;@B980@?# ?98 *+9 *+ +79 49;+8* *;: 9 0 +79 49 ?# 708 <0;+* # *;*+8OC0@? 04@ 4 =* = ;@B980@?# +@>984@ *+9 *;= ?+8 *+9 ?+8* :7+# 4A ;=8 4# ; +7 *5 ? 0 *" 9?7A * >@8O9 7

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"/823/2' 7/0 . ,76, .0/;-1 7503 *07/ "/&&9!/2'/ 7*3 /?#:"/7' .0= 711/275.6.0 7660/ ,* 6.0 12 =1067 24- 10,C,+=*2,,- 3,1 2-60:2*24- 52/2 7 :7*= 2?4 03 2?7,7*" 50 - 7*76/2124- 2?4 0- 571-4 7/ /4,6 -6/7,+.6 7 ;4:,*24- 0:;,C=2 .0/;75024- -60: 7 60/*760 07?0- 7*3 /750:03 280/J 6.0= 7/0 -57/50 = -017/7603 ;46 ;= 6,0 52*62/603 0-6,?76,2*' 2 6.0 52/2 7 -60/,0 -67:0*- -0--,0 % 2;03 -6,+:7 7*3 30.,-50*50 2 6.0 571-4 0 .0= 711/275. "/&&9!/222" ,* 6.0 10/,+=*24- 7*3 3,1 2-60:2*24- 1067 - 6.0 .2/,M2*67 7*76/2124- 2?4 0- 571-4 7/ /4,6 .0/;75024- -60: 7*3 7 60/*760 07?0- .0= .7?0 7 -2 -2:0 52**056,2*" 8,6. -$%"/"#'3#,*C6.0 52/2 7 -67:0*- 7*3 2?7/=J ;46 6.0 0:;/=2 ,* -$%> "/"#'2" ,- 0G7 ;4:,*24- 7*3 6,/0 07?0/ 7/0 2112-,60

))) 5 8)!F%'"

989;; * :*>8O@? = ?4*C9 +9# ? BC 9# H 0/989= M 0;: C9+ 0 9=# 408=*+9 b0>0;:J 08 89; 08B# 4*@ ;9 ?9?? 9 a: * # 89:@ *8# /7 +9 08 A9 0/ ?7 $ C*8+ +9# B>8 4*+9# C98? ?+9;+ : # C98 :A;0@?# * +98;*+9 / +7 +79 ?9C* ?# B>8 4*+9 ;?9?+ -*+ 0;# =94 =@0@? # 98+ 9# b7AC0:A;0@? 08 C98 :A;0@?#J ;?98+9= * +98;*+9 A / +7 +79 C9+* ?":#!/ $& ?@>@ *+9 /8$%'"& 95+8O8?9# 49 9=# 0-0 = 08 ?@> :0>0?9# =97 ?49;49 0;: +@= ;* . '$/!3#) &2/!'& 5 0CC0? +9 +0 +79 C9+* ?# C987*C? 89C89?9;+ ;:> @;= 9? 0 ?+98 9 ?+*B9;?# *;=*= - = ;: ;+0 M# # O# Q# 08 H >8*;479?# 9*47 +98B ;*+9= >A *: 0>0?9 ;94+*8 980@?:*@= # ?@C98 08 ./!9'$"#' 5 08?9B ; 98 08 %# /!/-'8)&5 U9 I# H 49 9=# / +7 .C*8 9+* C *49;+*?" &$#7 /?9?? 9# M 1 C*8+ +9 3(#)'& ;5 B980@?# *;*+8OC0@? H 49 9=# / +7 M ?9B C *09;+ 980@? -* -9? -98A?B* "$'&$/ B9B>8*;0@?# 89+ 4@ *+9# 00?9# 95+9;= ;:>9A0;=+79 9;=0 C 9@8* 95* >@B ;0@? b08* >@B9;?4*;+A]# ?+8* :7+# 0> 0;: 4A ;=8 4

8 ,7+/7 :A 1, 0/ 8,6.246 6.0 52/2 7 D : 7+F

003 8,6.246 6.0 60-67 0*6,/07*3546 D, ,7+F

7 : 7--,7

, 0 +0*4- / /&&#/5 2*+ 7**0G03 62 "3&' 2' 5 2* = 711/275.0- 6.0 : , *, 6- 17/,067 1 750*67 D-00 6., - 7 : , =F 6- ; 4*3 0- 2 -67 : ,*230- 7*3 ,6- 0G7 ; 4 : ,*24- 003- ; /,*+ ,6 *07/ -. '"#2#8'$'5 ; 46 26.0/ 5.7/7560/- 017/760 ,6 /2 : 6.0 : 7*3 0-105,7 = 6.0 0G6/2/-0 7*6.0/- 6 .7- ; 00*: 2/0 52//056 = 52 : H 17/03 8,6. /?#:"/7' .0 08'-105,0- 2 6.,- +0*4- ,*.7 ; ,6 6.0 60 : 10/760 7*3 522 /0+,2*- 2 6.0 *2/6.0/* .0 : ,-1.0/0 0-105,7 = , * : 0/,57J 6.0= 7/0 /7/0 _52 : : 2 *e 2* 6.0 .,+. : 24*67,*- 2 6/21,57 -,7 .0 /7-- 2 7/*7--4- D ./!9&$"#A 5 7* ,*3,+0*24- 1 7*6 ,- 7 ; ,660/ 7*3 7-6/,*+0*6 .0/; 2/ : 0/ = 4-03 7- 7 3,4/06,5 7*3 7*6, 21.6.7 : ,5J 7 305256,2* 2 , - , * 8030* 73303 62 ; 00/ 7*3 -62 : 75. 5 ?,/640- 7/0 766/, ; 4603 62 ,6

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G - *I# $+?+9 1 @00@ T # 6 $'8/$ 1 +$ *\# (&&# 5>O
4‘ P

‘7 ':/!!-.3!-.'$/!3 A.'"#7-839&A)#.!3Q B"/"'!- <3> &$'0 3839'5 &$#(/ D # ,"#2/$' - #8&'"$')' <#$%5 $%" .'$/!& /$ $%" ,3$$3 3: $%" 2/!- % 'M9/!!#87 $%" .'$/!& #8 89 ,'"5 7'8'"/!!-)#&$#82$5:9"8#&%')' <#$%5 /' &2/!" /$ $%'#"6 39$'"
*‘ ‘

,/&'5 /8)'.!9"#>3(9!')É 6 %'/8/$"3.39&' 0 8(# ':3!!#29!/"' + 47 ' '?/!%9 #839&' O 9229!'8$.!/8$&

< ' 0 8' % ! ' / +7#'4 A ; = 8 4' B 0 8 9' 0 8' 9 ? ?' 9 ? 7 A' ? +9 B ' * ; = ' > 8 * ; 4 7 9 ? '
M ' @ ? @ * A' ? 4 * + + 9 8 9 = #' 9 ? 7 A #' ? 0 B 9 + B 9 ?' 4 A ; = 8 4' 0 8' ? @ > @ * + 9 #' ? B C 9 #' 9 ; + 8 9 #' 0 8'
- 9 8 A' 8 * 8 9 A' C ; ; * + 9 A' 0 > 9 = ' G "-3.%-!!9 5 */!/82%3' 5 9 5 ? + C @ * + 9 ' * ' d #' 0 8'
B C 9 8 9 4 +' > A' * 8 8 9 ? + #' 8 9 : @ * 8 #' ; ' @ ; * + 9 8 * ' 4 A B 9 ? #' 0 8' ; ' + 9 8 B ; * ' 0 + 9 ; ' = 4 7 0 + 0 B 0 @ ?

1 &(0/98'GB*:I

1 &(0/98'4@+'-98+4* A'GB*:I

1 &(;9'C9+*'*;=' +/0'?+*B9;?'G+0*:I

1 &(?+ 'GB*:I

99=#9;+89'*;=' 4@+' 0;:+@= ;* A'GB*:I

408AB>?# 8*89 A' ?C F9=# ?0B9+ B9?' *5 *8A' *;=' ?0 +*8A' $' @?@* A' =' 0 8' C*8+ +9# 8*89 A' M C*8+ +9# ?9?+ -*+ 0;' B>8 4*+9# C98? ?+9;+' ;?98+9=' *+' +79' >*?9' 0 ' +79' 4* A5' . '$/!& 899.'08' 40;;*+9' #8$3' *' +@>9# * +98;*+9' / +7' +79' ?9C* ?# ?9?+ -*+ 0;' B>8 4*+9' 08' -* -*+9' = *=;*+9' +0' +79' B0;0C9+* 0@?' 4080 *# 08' ;?98+9=' * +98;*+9 A' / +7' +79' C9+* ?# ?0B9+ B9?' =0@> 9' +79B' ;' ;@B>98' :#!/ '8$& = ?+ ;4+# ?@>@ *+9' /8$%'"& ;+8082?9# >*? 59=D / +7' ' 0CC0? +9' 49 ?# =97 ?49;49' 0;: +@= ;* ' = 7AC0:A;0@?# *?' B*;A'*?' 4*8C9 ?# *+'+79 8'0@+98'>*?9' 0CC0? +9' +79' C9+* ?# *;=' 0 '9R@*';@B>98' b9549C' "#/2$#8/`5 / 708 9=# H 49 9=# B*;A

0-@ 9=# = ?+ ; 4+' b40 ; ; *+9' ;' #/ 3". #/5 '8$%3"9 5 "#/2$#8/ ~ Ë &$-!'&' 40 ;+ ; @0@?' / +7' +79' >*4F' 0 '+79'0-*8 9?' &$#7 /'?@>+98B ; * # 0 ;'+79' -9 ;+8* ' *49' ' 3(9!'& ?98 *+9' * 0 ; :' +79' -9 ;+8* ' ?@+@89# 708 <0 ;+* ' 08' C9 ;=@ 0@?# * ;*+80C0@?' ' 899# =97 ?49 ;49' -9 ;+8* ' = ' -98A' ?B* # +9?+*' B9B>8* ;0@?' - ' ?+8* : 7+# 95* ' >@B ;0@?# *4408= ; :'+0' 80 ; : ; *8+# b* >@B ;0@?'*4408= ; :'+0'0+798?]' '23$-!')38& -98A' ?708+' '"/)#2!'' ;95+' +79'7 @B

, ,7' P /7--4 7' P 25.07' ' P /=21.= 4 : ' P 7 7*5620
P 26= 032*' P 034 : ' P 0 : 10/?,?4 : ' _' 5.0?0/,7 C

2' "/& !/2'2 ' ;0 2*+-' 6 ;0' "-3.%-!!9 '2/!-2#-9 5'7*' 4*3 0/-;/4;' 2 '6.0'6/21,57' /0+,2*-' 2 'I6.0' 3' VO2/ 3' >42603' ,*' 6.0' *6/23456,2*' ^1' 'F' "/&&9!/''2"7/0'52**05603' 8,6.' /?#:"/7' 5 "/823/''2'' 7*3' '.%/!3$'2 'D-00'6.2-0' 7 : , ,0-F' .0=',*.7 ;,6'87/ :' 60 : 10/760'/0+,2*-' 2 '6.0' 3'O2/ 3' 7*3' 28,*+'62' 6.0' 08*0--' 2 '6.0,/' -62 : 760' 7*3' 52*-0>40*6' - ,+.6'6/7*-1,/76,2*'6.0=' /0 : 7,*' +/00*' ,*'6.0' : 2-6'7/,3' 524*6/,0-' .0=' 0-105,7 =' 7 ;24*3' ;0=2*3' 6.0'6/21,5' 2 ' 71/,52/*J .7 '2 '6.0'9*28*' -105,0-' ,?0' ,*C 246.' /,57'6.0'-,G6.'17/6',*' 4/210'7*3'6.0' 03,60//7*07*'/0+,2*'7*3' 7*' 0>47' *4 : ;0/' ,*' 0*6/7' -,7'7*3'6.0' 7*7/,0-'7*3',*'-4 ; 6/21,57' : 0/,57' 246.0/*' -,7'7*3' 4-6/7 ,7

.0'8760/=' 4,50'2 ' :--Uh750RL' 52*67,*-' ;0-,30-' 7*' 7 ;4*37*50' 2 ' 7 ;4 : ,*0'7-6/,*+0*6' 1/,*5,1 0-' 7*3' : 7 ,5' 75,3' /00' 2/' 52 : ;,*03' 8,6.' , : 0' .0' 4-0 4' -105,0-'7/0' 6.0' 2 28,*+@B ' .'"(#(9 ' ''$3"9 ' D 24-0'# 009F' !4,50'6790*'7- LC'/0 /0-.,*+' 3/,*9' 7*3' 4*,603' 62' -2 : 0' 766=' ;23=' 711 ,03' 0G60/*7 =' 2/' ;4 : -' 7*3' ; 003,*+' .0' 07?0-' 7/0' 7 -2' 4-03' 62' /0 : 2?0' 52/*-J 7C 1/210/6=' 7 -2' 12--0--03' ;=' "/&&9!/' 3$-!')38' 7*3' /",3"'&3'8& OA ')9 ' /!,9 'DO .,60' 62*05/21F' !4, 0' 7-6/,*+0*6 /0 /0-.,*+ B ' '!'.%#9 'D /1,*0F' 2/ : 0/ =' 54 6,?7603'7-' 7' 126H .0/;' !4,50 0 : 1 2=03' 62' /0 : 2?0' 52/*-' 7*3' 62' .07'824*3N B' /2"'D ,6,*+' 62*05/21F' 4/+76,?0' 7*3' 0 : 06,5', '6790*',*60/*7 =' /4;0 75,0*6' 2468 7/3 =' 7*3' /052 : : 0*303' 2/' ;73' 4 50/- B g' "'A' :&?9 ' 0 /0-.,*+'3,4/06,5'?4 *0/7/= B /2--4 7' "9,'8& ' 07?0-' 0 : 1 2=03' /& /5-(!8' - A ,#!#'9&.'8)9!#8(& '!><3"$ ' *' 0 : 2 ,0*6' 0 : 1 2=03' 2468 7/3 =' 2/' .7/3' *,11 0-

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. +& * 9 / 8A 1 % 5 &' F B

@;=9/' D!B ' (& "- OB "0#+4*'?94+0,'0' 0/9& GB*: , 1'0 0 ' 99=' GB*: I

N 333"' % 6

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3 3 3 " ' %

2/6.' :0/,57' .0 26.0/+0*0/7 7/0 :2*26=1,5' # ' 276-'2* -67+*7*6 8760/-',* 6.0 246.'2' /7*50 7*3 2/6.' 67 =' _7*3 0*+7 S' ! ## " ',* 6.0 17*,-.' 10*,*-4 7 _7*3 2/2552S' E ',* 6.0 -7?7**7.-'2' 246.' 7/2,*7' ',* 246.' /,57' $ # ',* 4-6/7,7 .0 1/210/6,0-'2' $ ' 7/0 , :10/ 056 =' 9*28*' .0 ,*3,+0*24-' ' 7/0 75,34 24- 75/.3' .,660/'?0-,57*6' 7*3 ?0/=' .4/6 4' 62R -.001' .0=' .7?0 ;00*' 24*3 4-0 4' ,* 3/21-=' 7*3 ,*60/ :,660*6 0?0/-' .0,/ *7 :0 2' 4*308',-' 30/,?03 /2 :' 6.0 6,*=' 3/21-' -05/0603 ;=' 6.0 + 7*34 7/ .7,/-'2' 6.0 ' 07?0-' _ .0 + 7*34 7/ .7,/-'2*' 6.0 07?0-'2' ?7/,24-' -105,0-' 7/0 ,//,67; 0' 54/?,*+' /24*3 ,*-056-'6.76 +06 0*67*+ 03 ;=' 6.0,/ ?,-5,3 6,1- B :

3 3 3 " ' ; , , ! 3/F 6 6

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' =' 3"' .3!-.'$/!39&' 2 ' @(D4'.'"#7-"#39&5' /''&$#(/$#38'(/!(/$' ' $ (= & ':3!-/8)"39&E' 8 ')#.!3&$' 3839&' ' &3 '':'"K $#!'5'3..3&#$''$3'$%'.'$/!&E' 3$%'"&'&$'"#!'5'&M9/ #:3" 5'/!$'"8/'$' % '&' #>#8:'"#3"5 H>2'!!')E ' .'8)9!39&5' /8/$"3.39&' "! ' /' 2/.&9!' " -! ' /!,9 #839&5' /?#!''E' $ '&9.'"#3" 1 -'<33)-' ' /!$'"8/$'5'&$#.9!/$'

! 4 2/'-:7 '2/' 7/+0' 4 8,6.'5=,*3/,2' ;/7*5.0-' + 7;/24-'2/'-60 760 =' .7,/=' ' 7 60/*760'106,2 03' -,:1 0' 10**,*0/?03J &$#.9!'&' +0:,*760' 76' 6.0' ;7-0' 2'6.0' 106,2 0-'305,3424-' 0 8 ' D' ' ' N ;=' 7//0-6' -4; -0--,0',*' 7' 7-5,5 0'.073' 2/'-1,90'4-47 =' ;/7560760' ;.' -410/,2/' -2:06,:0-'2'% E' 2;0-' ,:;/,5760' ,*' ;43'305,3424-J -2:06,:0-'6/4*5760'8,6.' E '' -,*424-'6006.'57 24-' 2 ' $' B 3$%'"7#!!/' 2/' 12 =1067 24-' 2 ' 10/,+=*24-' 7 60/*760' 8,6.'6.0' 57 =G 2;0-'?7 ?760',*' ;43'305,3424-' - '2'6.0'1067 2,3' 280/-',*-0/603'8,6.' 6.0'1067 -'7*3'324;0'6.0:',*'*4:;0/'6.2-0'2112-,60'62'6.0'1067 -' 0/6,0'6.0'26.0/-' -60/,0'->47:,2/:J 6.2-0'2'6.0' 71067 24-' 280/-',*30 ,*,60'J :#!/ '8$&' /00'-.2/6

H 3 3 3 " %

*;=5= *+9=5*+5+79 5>*?9 5 ;5 +79 5C9+* 0 =5 0/98?# 9 0;:*+9=5 *;=5 ?@> 4*-*+9 5;5 +79 5*C9+* 0@?'5 /8$%'"&5 ;+8O8?9# 49 9=# ?OB9+ B9?5 0-0 = R;*=8*;:@ *8# 49 ?5 OCDIO?+GK# *=;*+9 5+O5*5 4O;;94+ -9 5/7 47 5 ?5@?@* A5 C8O 0;:9=5 ;+O5*5 CO ;+# = - =9=5 >A5*5 0;: E +@= ;*5 B9= *;5?9C+@B# *;=5 OC9; ;:5 >A5-*-9?'5 ?OB9+ B9?5 D 3$%'"7#!!/5 7O8?9 ?7O9 ?7*C9=# OC9; ;:5 >A5*5?9B 4 84@ *85 ? +5 # 5?9B ; 98 O8# 49 9=E &$-!'&5 # = ?+ ;4+'5 &$#7 /&5 ? BC 9'5 3(9!'&5 ?O +*8A# O8 -98A5 8*89 A5 B*;A# 0 5/7 47 5 0; A5+79 5 0/98 5?5 98+ 9 5D 92 2!/8)#/5 ?@?C9;=9=5 +O5+79 5+OC5 O 5+79 5?9C+@B# *;*+8OCO@?5 O8 ?9B 5 *;*+8OCO@?5 5?9B 5 O8 R@ +9 5?@C98 O8# -* -9=# -* -9?5 =5 *+5 +79 5+OC5 5 C9;=@ O@?5 5?+8* :7+# O44@CA ;:5+79 5*5 ?5 O 5*5 9?7A5 O8 5 4*8+ *: ;O@?5 * >@B9;# *;=5;9*8 A5 9R@* ;:5 +5 ;5 9;:+7E 23$-!')38&5 O *49O@?# *+5 O8 5 4@8 9=5*+5 +79 5 9=:9?'5 "/)#2!'5 4A ;=8 4# ?@C98 O8

5 5

VC 7:7:0,- P 26.0/+, 7 P .2320,7

b 7 ?5 *;=5 +79 5 O O/ ;:5 O8=98 5 7*-9 5 >99;5 8949;+ A5 ?+@= 9=5 4*89 @ A5 O8 5+79 5 2 9;985*5 *;+*8@B#.5 *;=5 40B> ;9=E / +7 5+79 5 O O/ ;:5 *88*;:9B9;+5 O 5 +79 5 :9;98*D 5+O5 /7 47 5*5 9/5;9/5=?4O-98 9?5 *89 *==9=

5 ?7/,7*5 50 -5 2?4 03

2 5=B8 5F '& 54 >"" 5!F (5F "(51 5

2 U D1067 -5 -2:06,:0-5 /0345035 625 -57 0-F5 B5= "5 5F 5 5 > 5 " 5< "&(53 -5 5< (54(>

5 ?7/,7*5 50 -5 TB22 2?* 03

@ &" 5 5:(& 5," > 5/ >(& 5F " B *S

/+/ '!#)'2" 711/275.5 3"8'/5,*5,*-0/6,2*5 *4:;0/5 7*3 70-6,?76,2*5 2 5 6.0 1067 -5 6.0 10*34H 24-5 7*76/2124-5 2?4 0-5 7;4:,*24-5 7G,0 0:;/=2 5 8223=5 -60:5 7*3 571,64 760 ,* 2/0-50*50 5 3"8'/5 7/0 -017/7603;=5 6.0,/5 52:1 060 01,+=*,-:5 6.0 7 60/*76,2*5 2 5 6.0 -67:0*-5-,:1 0 -6=0 5 0-.=5 /4,65 4-47 =5 2112-,60 7*3 0606,14 760 07?0-5 .0 -7:0 /0 76,2*5 0G,-65;06800*5 "/!#/2'/5 7*3 +/ / '!#)'/5 .0/0,-5 7-2 7/0-0:;7*50;06800*5 6.0:5 7*3 /?#:"/7'/5 6/,;0 U82:0250U 5;26;5;0,*+5 10/,+=*24-5 3,1 2-60:2*24-5 3,+=*24-5 7*3 .7?,*+5 7*76/2124-5 2?4 0-5 571-4 7/ /4,65 7;4:,*24-5 7G,0 0:;/=2 5 7*3 8223=5 -60:J 9838#/2'/5 3, 0/ 1/,*5,17 =5,*5 6.0,/5,*60/106,2 7/5 -6,14 0-5 2112-,60 07?0-5 7*3,:;/,5760 70-6,?76,2*5 2=5 6.0 1067 -5 .0 -7:0 711 ,0-5 625 &3/!!38#/5 0G5016,*+5 6.76 6.0-0 .7?0 7 60/*760 7*3 0G-6,14 760 07?0-5 ,*7 =5 7*5 7 ,*,6=5 0G,-6-5;06800*5 6.0 3,5,*24-5 71067 24-5 8/ '!#)'/5 7*3 !/$/8'/5 52*-,-6,*+5,* 12=7*3/=5,* 0/,2/ 2?7/=5 10*34 24-5 2?4 0-5 3/=5 /4,65 7;4:,*24-5 7*3 7G,0 0:;/=2 5 8223=5 -60:5 7 60/*760 -6,14 760 07?0-5 2/5 6.0 3,7+*2-,-5 !/$/8'/5 3, 0/,*5 6.0 280/-5 .7?,*+5 *2 10/,7*6.5 7*3 5;0,*+5 7//7*+03,*5769,*-5 7*3 6.0,/5 /4,6 ;0,*+5 7 *454 0 5 .0 7 ,*,6=5,-5-6, 5:2/0 5 2-0 8,6.5 #M9#)>5 /#8%/"5 8.,5.5 /5 0*6.7:5 4*,60-5 625 / / '!#)'>/5 .0=5 7-2 711/275.5 "9,,#/2'/5,*5 6.0 +0*0/7 5 -6/4564/0 2 5 6.0,/5 280/-5 7*3 6.0 ?7 ?4 7/5 7*6.0/-5 D 00 7-2 /""-/2'/4 5 .,-5 7:,=C5 8.,5.5 52*67,*-5 ;46 08 -105,0-5,-5 3,-10/-03 2?0/5;26.5 .0:,-1.0/0-5,6,*.7;,6-5 246.5 :0/,57 5!717*5 .,*7 5 *3,7 5 0/-,7 737+7-57/5 7*3 6.0 710 2 5 223 210 5 O,6.5 /0+7/3 625 6.0 4-0 45 -105,0-5 6.0 -003 2 5 6.0 ,/+,*,7*5 7:7:0,-5,-5 2,=5 6.0 07?0-5 7*3 .7/9 7/0 :03,5,*7 5 .0 8223 2 5 /""3$#/5,-5 0G6/0:0=5 .7/3 7*3,*5 0/-,7,-5 57 03 /2* 8223

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3A & + M- + :B*?*;=*>08+ -9 *;+798?GB*: I

3 W(& "9 4* 94+ 0; 0 0-*8A GB@:

* 383'2#39&5 4#8 2/$F#8&3 3" 2/.#$9!/ : &#87!" 3" = 89 '"39&' \ A% 6# 5 <#$%/ &#87!" /22"'&2'8$.'"#/8$% (8# 2388/$'5 H>2'!!')E " ! 89 '"39&5 &9%>/8/$"3.39&' - 23 .398)5 3:&'('"/!H>(/!(')' 2/.&9!'& = #:'"$#!' 5 '!!#.$#25 .'!$/$'5 /!,9 #839&' /?#!'E "/)#2!' &9.'"#3"#1 = <33)-' M /!$'"8/$'' = - 2/)9239&' T - "'&#839& ! 8,6.' 7 60/*760 ;/7*5.0-' ;7 -7 :,5 4,50-' 0G43,*+ /2:' 6.0,/ ;7/9' 7 60/*760'106,2 03'0*6,/0 2/ 2;03' 8,6.'+ 7*34 7/ 6006.' 03+0-' 2 ' 6.0 2;0-' 2 303',*87/3-';0 2/0 0G17*-,2*J &$#.9!'& 4+75,24-'J 2/7' ,9)& 60/:,*7 ' -57 ='1/0503,*+'6.0 07?0-' 0 8 " ' :2*205,24-',*'5769,*-'2/ 4*,-0G47' 571,64 7J ,"/2$& %'5734524-' S 0 8 '75.7:=3024-'52:12-03'2 '-67:0*-'7++ 2:0/7603';068 00*' 6.0 ;/756-' 2 '6.0 571,64 7' 8$%'"& 1=/7:,37 ,*07/'% 7*+4 7/' 8,6.' T 2112-,60 50 -J -.2/6 2/ ! 0 8 ; .',* 4*3,;4 ,2/:'0*6,/0 2/ + 7*34 7/' 2;03' 2 '=' - '-60/,0'2 60*'% Y',*-0/603 7/24*3 6.0 621'2 '6.0 57 =G' ? '-0:,,* 0/,2/' 8,6.' T 7*60/2 12-60/,2/ 50 -':7*= 2?4 03J &$-!'& T',*07/' 12,*603'/054/?03'171, 2-0 2*'6.0,/',**0/ 750 J 3(9!'& -4; 7*76/2124-',*-0/603',*' T /28-'76 6.0',**0/ 7*+0 2'075.'50 ' 52**760 ;='6.0,/03+0-' -016,5,37' 7;2?0 6.0 :,33 0' 08' 2/ -2 ,67/=';='7//0-6'6.0 7//0-603 2*0-' *4:0/24-' 30 2/:03J 6.0 0/6,0 -4; 10 6760'0 ,16,5':0:;/7*24-'2/ -.2/6 ='8,*+03'6287/3-'6.0 621J /!,9 '8 $+8' " -!" '7G,0J 23$-!')38& /$ /7365 0 -.2/6'-410/,2/

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/!& 8#:#9 '7/0 52**05603 8,6.' /$/8'2 ' D-00 6.,-' 7:,=F 7*3 / / '!#)' 5 62 8.,5.' 6.0=' 7/0 2,*03 ;=' 0*6.7:J 6.0=' 3, 0/ ,*' 6.0,/ ,* 2/0-50*50 7*3 7++,00+760 /4,6' #M9#)/ ,/"' 7-2 71H 1/275.0-' /!#2 '2 5 7*3 0-105,7 =' 6.I' 21 7/-',*',* 2/0-50*50' 3,5 ,*24-'75.7:=3024-' 7*3 12 =7*3/24-' 280/-':7*= 2?4 03 2?7/='571-4 7/ /4,6'8223=' -60:'7*3 -6,14 760 07?0-'J ;46 /)8'2"7/0 3,205,24-' 6.0 2?7/=',-'2*0 50 03'8,6.'17/,067'1 750*676,2*'6.0 2?4 0-' 7*76/2124-'7*3 6.0 4*,5 0 .7,/=' 46 24/-105,0-'7/0 76 1/0-0*6 9*28*' #M9#)/ ,/"> B #87#/5 7 +,+7*6,5 6/00' 2/:-'?7-6 2/0-6-',*'!7?7' -,7' 08' 4,*07' "5'4*30/' 6.0 *7:0-' 2'!#3&/> /!!3&5 + /&&/> /!/5 "5')'3#'8$/!'5 7 -:7'6/00 /0-0:;,*+' 7 71 0',*.7;,6-' 6.0 ,-0 2' =1/4-' 7*3 -,7 ,*2/' ' /2#>3.%-#!/'7*3 &$-"/2#:!9/' +/28' ,*' 2/6.' :0/,57 _7*26.0/',-' .,*0-0S' &$-"/2#:!9/' =,0 3-' _6.0 2/6.' :0/,57*S ,>4,37:;7/' 7 -7:'2;67,*03';=',*5,-,2*-',*'6.0 6/4*9' .,-';7 -7:'52*67,*-'7 62 0/7; 0 >47*6,6=' 2';0*M2,5 75,3J ,6',-'2'6.0 52*-,-60*50 2'7 6.,59 ,'26 2'-2 6 1,65.' ,>4,3 &$-"/?5 7 -8006 ;7 -7:' :45.'4-03 ;=' 6.0 /,0*67 -' 7-' 7 10/4:0' 7*3 0*60/,*+',*62 6.0 52:12-,6,2*' 2' -0?0/7' :03,57:0*6-' ,-' 6.0 1/23450 2' ' !$#8-#/'7*3 10/.71-'7 -2 '3"#'8$/$'' _.0.7/9 2'7 ',-' 7 .26' ;,660/' -62:75.,5 S

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= - 2/ + % ! 80B +79 *C9 0 00= 0C9# 9*+7 F9 ;7*> + M ?B* # *4980?9# ?@> +8 :0;0@?# 9;+ 89# @?@* A B>8 4*+9= ; 80/?# 95?+ C; *+9 * :# ?B* # 89:@ *8# :9;98* A ;* ?C F9 08 79*=# ?9?? 9# >8*4+9*+9 $ C*8+ +9# C98? ?+9;+ 08 =94 =@0@?# B>8 4*+9 ;@= 4 - 9;-9 0C ;:+79 0-*8A# -98A 8*89 A ?C89*= ;+0 *;9C :A;0@?= ?F D %/ 8'/ : N # ;?98+9= 0; +79 9=:9 0 +79 4@C# * +98;*+9 / +7 +79 4* A5 0>9?# @?@* A 899# ?0B9+ B9? 40;;*+9 / +7 +79 ?+*B9;? ;+0 * +@>9 *+ +79 >*?9# B>8 4*+9 ;@= 4 ;?98+9= / +7 +79 C9+* ?# 9R@* ; ;@B>98 *;= * +98;*+9 / +7 +79B :#!/K '8$& 899# 08 ?0B9+ B9? *=;*+9 +0 +79 4 */? 0 +79 C9+* ?E /8$%'"& ;+8082?9# 49 9=# 49 ? 0CC0?+9# C*8* 9 08= -98: ;:*+ +79 8 >*?9# *;= 0C9; ;: 0;+@= ;* A # > ?9B ; 98 08 08 ; 98 08# -98A 8*89 A 899 G /&./#!#/ 5 H M 49 9= &$-!'& M# +98B ;* # B089 08 9?? 40798 ;:#& &$#7 /& B ;@+9# C*C 0?9 3(9!'& *;*+80C0@? # ?0 +*8A 08 # 40 *+98* ;+79 49 ? 0 +79 M 49 9= 0-*8A# *;= C9;=@ 0@? 80B +79 49;+8* *;: 9 08 ;9*8 +79 +0C 0 +79 ?9C+@B# ?0 +*8A ;+79 H 49 9= 0-*8 9? G ; %/ #8'/$%' 0-*8A ? H 49 9=# / +7 H C9;=@ 0@? H ?98 *+9 0-@ 9?I : - 480/;9= >A +79 4* A5# *;= ?0B9+ B9? >A +79 C98? ?+9;+ 4080 *;*;= *;=8094 ;B# =8A# ;=97 ? 49;+ 08 4*C?@ *8# 0 +9; / +7 +/0 H ?99=9= 4044 # =97 ?49;49 ;+98;* # 0;: +@= ;*

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.ʻ&9.'"#3"ʻ 2 ʻ#8&'"$')ʻ38ʻ$%"ʻ2/!-?ʻ_2/ʻ01,+=*24-Sʻ /!$'"8/$'!-ʻ<#$%ʻ#$&ʻ !3,'&5ʻ&3 '$# '&=ʻ - ʻ#8&'"$')ʻ<#$%ʻ$%"ʻ. '$/!&5ʻ'M9/!ʻ3"ʵ)39,!"ʻ#8ʻ89 ,'"ʵ $3ʻ $%"ʻ 2/!-?>!3,'&5ʻ&3 '$# '&"')92')ʻ$3ʻ38'ʻ % ";ʻ#8:'"#3"5ʻ3:ʻ38"ʻ3"ʵ &'('"/!ʻ Y>3(9!')ʻ2'!!&>Eʻ .'8)9!39&ʻ " - ! ";%&$"/#7%$5ʻ#8ʻ$%"ʻ /?#&ʻ3:ʻ/':!'&%-ʻ/!,9 '8 >476,5ʻ &' 2/ʻ60//0-6/,7ʻ X ' 2/Sʻ - - ' M ' 4-47 =ʻ2112-,60ʻ 2/ʻ G?.2/03ʻ G+-"#3.%-!!9 5ʻ +#.. "#&5ʻ-,:1 0ʻ 0*6,/0ʻ 2/ʻ6226.03ʻ 6 . 0ʻ -4; : 0/+03ʻ A -47 =ʻ1056,*760ʻ/7/0=ʻ0*6,/0ʻG+-"#3.%-!!9 Eʻ &$#.9!'&$ʻ * ' Tʻ G /!3"/7#&5ʻ #..9"#&5ʻ2/ʻ : 2*205,24-ʻ6./24+.ʻ 7//0-6ʻG+-"#3.%-!!9 5ʻ #..9"#&5ʻ/0+4 7/ʻ,*52*H -1,5424-ʻ-0--,0ʻ,*ʻ6.0ʻ7G,ʻ2ʻ6.0ʻ07?0-ʻ-2 ,67/=ʻ2/ʻ 7-5,5 03ʻ2 60*ʻT ; /75602 760ʻ 76ʻ 6.0ʻ ; 7-0ʻ -2 : 06, : 0-ʻ 8 .2/ 03ʻ ,*ʻ 7ʻ -1,90ʻ /7/0=ʻ103,50 03ʻ-2 : 06, : 0-ʻ 17*,5 03ʻ_2/ʻ /750 : 03Sʻ " $ ' -410/,2/ʻ4-47 =ʻ% ,3ʻ 8' 17/6,60ʻ-2 : 06, : 0-ʻ 6/4*5760ʻ 2/ʻ 7 : 2-6ʻ 87*6,*+ʻ ' $ʻ 2/ʻ 1067 -ʻ,*-0/603ʻ2*ʻ6.0ʻ57 =Gʻ 7 60/*760ʻ 8,6.ʻ,6-ʻ-0+ : 0*6-ʻ 4-47 =ʻ 2*+0/ʻ -4; 52*57?0ʻ ?7 ?76 Iʻ 2/ʻ , ; ; /,5760ʻ ,*ʻ 0-6,?76,2*ʻ -1/073,*+ʻ 7 60/ʻ 280/,*+ʻ 7*3ʻ 305,3424-ʻ = ' ,*-0/603ʻ8,6.ʻ6.0ʻ1067 -ʻ 4-47 =ʻ0>47ʻ7*3ʻ 2112-,60ʻ62ʻ6.0ʻ57 =G 2;0-ʻ2/ʻ324; 0ʻ,*ʻ*4 : ;0/ʻ-2 : 06, : 0-ʻ/034503ʻ62ʻ2*0ʻG #..9"#&Iʻ :#!/ '8$&ʻ # 3"(/ʻ /8$%'"$,*6/ /-0ʻ_2/ʻ30.,-50*50ʻ 760/7 Sʻ T 50 03ʻ2; 2*+ʻ2/ʻ2?2,3ʻ ; 7-, ,G03ʻG+-"#3.%-!!9 5ʻ /!3"/7#&ʻ2/ʻ32/-, ,G03ʻG #..9"#&5ʻ30.,-50*50ʻ 2*+,643,*7 ʻ # ' ,* 0/,2/ʻ2ʻT (%ʻ 2?4 03ʻ50 -ʻ/7/0=ʻ 50 03ʻG #..9"#& Eʻ &$-!'&7-ʻ:7*=ʻ7-ʻ 2?4 0-ʻ2 60*ʻ-.2/6ʻ2/ʻ*07/ =ʻ$ʻJ &$#7 /&62 : 0*62-0ʻ 2/ʻ 10*,5, 760J 3(9!'& 10*34 24-ʻ /2,*ʻ6.0ʻ621ʻ2ʻ6.0ʻ 50 ʻ7*76/2124-ʻ ' *46 ,90ʻ2 60*ʻ 5/28*03ʻ ;=ʻ6.0ʻ57 =Gʻ , : ; ʻT (% 50 03ʻ2/ʻ 50 03ʻ*2/ : 7 =ʻ2/ʻ ;=ʻ7//0-6ʻ = ' ,*?0/603ʻ$'&$/ʻ : 0 : H ; /7*24-ʻ ' -6/7,+.6ʻ,*ʻ6.0ʻ7G,-ʻ2ʻ7ʻ : 2/0ʻ2/ʻ 0--ʻ 0-.=ʻ7 ; 4 : 0*J 23$-!')38& -.2/6ʻ2;64-0J"/)#2!'ʻ 2*+0/ʻ*0G6ʻ6.0ʻ . 4 : ʻ-410/,2/

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/!3"/7'2" 7/0 /7/0 ,* 6.0 6/21,5-J 6.0= 7/0 24*3 :2-6 7;4*37*6 =,* 60 :10/760 7*3 52 3 524*6/,0- D #..9"#& 5 0-105,7 =;0=2*3 6.0 6/21,5 2 71/,52/*J !/!389 #/ ,-2* = 24*3 ,* 4-6/7 ,7 7*3 6.0 *0,+.;24/,*+,-7*3- .0= 7/0 2 *2 4-0 62 :7*

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30 !4--,04 52*-,30/03 6.76 ,* *7*= 57-0- 71067 24- 7*3 3,5 ,*24- -6/4564/0- 80/0 62 ; 0 /0+7/303 7- 7//0-603 52*3,6,2*- 2 10/ 056 6=10- 8 .,5. : 7-903 7 ,*,6,0- 8,6.246 7**4 ,*+ 6.0 : J 7*3 6.,- 0G1 7,*-6.0 12-,6,2* .0 +,?0- 62 # 8'"/2'2&5 ;06800* "/!#/2'2' 7*3 3"8'2'5 8.,5. 6.0=711/275. . 6.0,/ 280/ 8.,5.,- .0/ : 71./23,60 ,* -2 : 0 -105,0- ,*6.0,/ 01,+=*= 6.0 -,*+ 0 10*34 24- 7*76/2124- 2?4 0 ,* 075. 57/10 6.0 3/4175024- /4,6 7*3 6.0 : ,*460 0 : ; /=2 76 6.0 621 2 7 0-.=7 ;4 : 0* .0 -7 : 0 52*-,30/76,2*-0-67 ; ,-. 6.0 7 ,*,6= 2 9$ '"/2'2' 8,6. /!3"/7'2 J ,* ; 26. 6.0-0 7 : , ,0- : 7= ; 0 2 ; -0/?03 2* 6.0 2*0 .7*3 7 10/ 056 2/+7*,M76,2* J 2* 6.0 26.0/ 6.0 7 ; -0*50 2 1067 - 7*3 6.0 7 ; 2/6,2* 2 6.0 /01/23456,?0 2/+7*-J 7*3 6.0 7*7 2+= ,-, ,*5/07-03 ; = 6.0 -6,+ : 76,0 171, -0 7 2*+ 6.0 -6= 0- .0 08 -105,0- 2 6.,- ,66 0 +/241 ,* .7 ; ,6 6/21,57 246.0/* /,57 7*3 : 0/,57 6.0 .,+. : 24*67,*- 2 6/21,57 : 0/,57 6.0 7*38,5. 7*3 25,06= - 7*3 N ! 7?7 _ 4-6/7 ,7 7*3 , 08 h07 7*3 .0 /4,6 2 988'"/ /2"3.%-!!/ ,- 4-03 ,* !7?7 7- 7 -6, : 4 7*6 .0 /226- 2 RN UOUE/7 57 03 /8M9# ,* . , 7*3 54 6,?7603 ,* 4/210 2/ 6.0 ; 0746= 2 ,6- !'/('&5 8.,5. 7/0 -2 : 06, : 0- : 2/0 6.7* -,G 006 ,* 3,7 : 060/ 52*67,* 7-6/,*+0*6 1/,*5,1 0- 7*3 7/0 4-03 ,* . , 2/ 67**,*+ -9,*- 7*3 :#& /8 7*6, 3=-0*60/,5

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0*+ ; : *44 = * ; ; @* ? BC 9 08 >8* ; 479=# ?+9B 4A ; =8 4 M OCC0? +9# ?9?? 9# +79 0 / 98 b?@>B98 : 9=]# 0 +9 ; 9*8# +79 @CC98 0-* # H M ; 98-9=# 9 ; + 89# 9B98 : 9=# 0 +9 ; 80?@ *+9 &$#.9!'& 08 B0 ; 094 0@? = 094 0@? >A *889?+# ?0 +*8A * ; = ?9?? 9 ; +79 *5 0 +79 9*-9?# #8(3!92"' = C7A 0@? b08]# 0 *+98* OCC0? +9 4@8-9= ?0B9 / 7*+ 9?7A * ; = 40 0@89= b / 7 +9] C98? ?+9 ; +8 =94 =@0@? 9* 9+? CO?+98 08# 8*89 A * ; +980 CO?+98 08# ; ?98+9= >9 0 / +79 0-*8A ; +79 6 0 / 98? :#!/ '8$ 08B# 9 0 ; *+9= /8$%'" 89 ; 08B# >*? 59=# H 99 9=# OC9 ; ; *+ +79 +0C >A * ; *8479= ? + # 899# *+ 8?+ ?9?? 9# +79 ; ?+ C +*+9# 08B9= 0 > 0>9= 4*8C9 ? / +7 + / 0 0-@ 9= 49 ? ; &$-!'& # = ?+* ; +&$#7 /& *4@+9# C*C 0?9 0-98+79 / 70 9 ?@8 *49 3(9!'&4@8-9=# 59= +0 +79 49 ; +8* * ; : 9 ; 9*8 +79 +0C 0 +79 49] #2"3.-!' *+98* * ; = ; +98 ; * # C *49=

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/$ $"#2%'2 ' 80/0' 2/,*0/ =',*5 4303',*' /!3"/7'23' 8 .,2 ,' 6.0=' 711/275.',*' 6.0' 7>476,5' .0/;75024-'
-60:' 6.0' 2112-,60' 07?0-' 7G, 7/=' 280/-' 2?4 03' 50 -' 3,-6,*56' _171, 2-0S' -6= 2-' _10*34 24-'
2?4 0-S' 7*3' 7;4:,*24-' 0:;/=2'J ;0,*+' -017/7603' ;=' 6.0' 75. 7:=3024-' 280/-' 7*3' /4,6' 2' 24/'
5255,' .0=' 1/0-0*6' -2:0' /0:7/97; 0' 7*7 2+,0-' 8,6.' 9.%3"%#/2' 5' ,*' 6.0,/' 3,5 ,*24-' 75. 7:=3024-'
,*?2 45/03' 280/-' -67:0*-',*-0/603' 2*' 6.0' /0501675 0' 2?7/=' 8,6.' 2?4 03' 50 -' 10*34 24-' 7*76/2124-'
2?4 0-' 3,-6,*56' -6,+:7-' /4,6' 2' 5255,' 7*3' 7;4:,*24-' 7G, 0' 0:;/=2'J 7*7 2+,0-' 8.,5.' .7?0' 03' -2:0'
:230/*';267*,-6-'62'52*-,30/' /!!#$"#2%'' 7-' 7>476,5' 9.%3"%#/2' '@ 6.0=' .280?0/' 3, 0/',*' 6.0,/' % 2.03'
2?7/=' 7*3' 6.0' -6/4564/0' 2'6.0,/' -003-
/!!#$"#2%# '',*.7;,6'-67+*7*6' 8760/',*' 4/210' 7*3' 2/6.' :0/,57'_7*3' :2-6' 26.0/' 60:10/760' 17/6-'
2'6.0' +2;0S' .0=' 7/0' 4-0 0--

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X '08' - &'@?@* A'R@ +9':*>80@?'>8*;4792'+9 8 9+9#'?/ 0 9;'*+'+79';0=9?'
M ' 0CC0?+9'*;='?+C@ *+9#'8*89 A'* +98;*+9'*;='95?+C@ *+9' G 3 %"'$32/".9 5'
8#&3.%-!!'/ 5 C9+0 9=#' +7 4F A' 408 *490@?#' @?@* A' R@ +9' 9;+ 89'' &$#.9!'&' ;+98

.,-' 2/30/',-' 2:,6603',*' 6.0' 5/,+,*7 B *

C9+ 0 *8# -98A 4*=@40@? * # ;*5 *8A 4AB9?# 8*49B9?#C*; 4 9? 08 ?C F9? " $ 7 - B089 08 9?? *=;*+9 +0 +F9 0-*8A# 8*89 A 899 !# , M H 0>9= 08 9;+ 89# C98? ?+9;+# 0>9? -* -*+9 : *? B*;A *? +79 4* A5 0>9?#@?@* A ?B* # 40;4*-9 08 ;-0 @+9# *;= 9B>8*4 ;: +>9 ?+*B9;?# ;0+4 9=# = 08 *498*+9# 8*89 A 9;+ 89# 40;-0 @+9 08 ;=959= ;>@= = M + B9? *? B*;A *? +79 C9+* ?# 8*89 A 9R@* ;;@B>98# 0 +9; ;?98+9= ;C* 8? 0CC0? +9 +79 C9+* ?# 0; +79 9=:9 08 *+ +79 >*?9 0 *C98 :A;0@? = ?F :#!/ '8$& 0;: 08 ?708+ /8$%'"& >*? 08 =08? 59=# 49 9= 08B@ + 049 *+9 # @?@* A ; 98 08# G8*89 A N 49 9=# 08H 49 9= >A +79 ?@CC89?? 0; 0 +79 ?9C+* &$-!'? BC 9 G?9-98* ;8#&3.%-!!'/ &$#7 /? BC 9 08 0>9= 3(9!'& @?@* A # 40 *+98* A ?@?C9;=9= +0 +79 ;;98 *;: 9 0 9*47 49 *>0-9 +? B == 9# 8*89 A 08 B089# C9;=@ 0@?# *;*+80C0@?# 8*C79 -9;+8* : 4 @?@* A 408 *490@?# 480 /;9= / +7 +79 4* A5 B>#;=97 ?49;+ 08 8*89 A ?9C+ 4 =* # H 49 9= *;= H ?99=9=# 08 49 9= / +7 H ?99=9= 49 ? = = C9;=@ 0@?# *8 *+9 08 ;0+# +9?+* 408 *490@? 08 B9B>8*;0@?# * >@B9; 9?7A 08 H ;-98+9= ; +79 * >@B ;0@? ?99=?# @?@* A ?B* *;= *5 9# / +7 +989+9 8*= 4 9 *;= ?9B +989+9 40+A 9=0;?* ;+79 95* >@B ;0@? ?99= +79 9B>8A0 ? @?@* A 9 0;:*+9# / +7 ?B* 08 ;40;?C 4@0@? 0 +9;40;;*+9 40+A 9=0;?

I 5%B ?7/= ,* 0/,2/ J -6= 0 : ;/=2 0G7 ;4:,*24- /73,5 0 ?0/= 7/+0 1/26/4303 /2 : 6;0 /4,6 8.0*-6, 2*6;0 6/00 07?0- 2112-,60 +7;/24- >4,60 0*6,/0 -6,14 760 ℃ $%#J3.%3"/5 '"#3.&5 */8)'!#/5 "979#'"/

- %J%B ?7/= ,* 0/,2/ -0:, ,* 0/,2/ 2/ -410/,2/ J 6= 0 : ;/=2 ,* 6;0 7G,- 2 7 0-.= 7;4:0* 07?0- 2112-,60 4-47 = +7;/;4- 7*3 >4,60 0*6,/0 -6,14 760 /"/!!#/5 -83$"32 #'&5 '#%'/5 /&&#.39"'/5 =2

" 40%B ?7/= ,* 0/,2/ J -6= 0- (E : ;/=2 0G7 ;4:,*24- 07?0- /!$'"8/$' 8#&3.%-!!'/5 3 %"'$32/".9&

%#J3.%3"'$' 7/0 *07/ = 7 ,03 62 + -"$/2'2&,,* .7;,6 2112-,60 2:06,:0- 10 45,3 326603 07?0- 7*3 ,* 6.0 0G7;4:,*24- -003- 2 6.0 6/,;0 %#J3.%3"'2'E ;46 6.0=3, 0/,* 6.0,/ ?7 ?760 57 =G 2.0- -6,14 0- 7*3 4-47 = 30,*,60 -67:0*- .0 -7:0 5.7/7560/- 3,-6,*+4,-. 6.0: /2 : + '!/)3$8/2' -$%"/"#'2'5 8.,5. 7+/00 8,6. 6.0: ,* 6.0 ?7 ?760 57 =G 7*3 4-47 = 30,*,60 -67:0*- .7?0 :7*= 2?4 0- 7*3 7/+0 4-47 = 5/4:1 03 1067 - 3 ,"'$/2'/5 8.,5. 7/0 -6, : 2/0 5 2-0 = 7 ,03 3, 0/ ,* 6.0,/ , ,2*257/10 7/= 2?7/= 2 303 2/ 52*?2 460 526= 032*- 7*3 0G-6,14 760 07?0-

.,- 2/30/ ,- 7 :2-6 8.2 = 6/21,57 7*3 62 7 +/076 0G60*6 ,662/7 J 6.0 -105,0-2 6.0 6/,;0 %#J3.%3 "'/ 2/:,*+ 8,6. ?82 8#/ D-00 6'",'8/2'2' 5 6.0 7*+/2?0 2/0-6- 2 6,37 /,?0/- ,* ;26. 6.0 3 7*3 08 O2/3- 2-6 2 6.0-0 /226 /2 : 6.0;/7*5.0- ,*62 6.0 :43 ;0 28 7*3 6.4- 2/ : 30*-0 6.,5906- 6.0 /226- ;052 :,*+ -60 : - 7 60/ 7 6,: 0 .0 6/,;0 /&&#.39"'2 ,- 8,6. 6.0 0G5016,2*2 / . #"'/,6-0 52* ,*03 62 6;0 3 O2/3 8#&3.%-!!'/ ,- /0:7/97;0 2/ ,6- 3,-6,5.24- 7 60/*760 07?0- 2 8.,5. 0?0/= -052*3 2*0 ,- /034503 62 7 :,*460 -6,14,2/:;23=

6.0 1/210/6,0- 2 +J3.%3"'' !#$$!''#&%834<8 .0 8223 2 -0?0/7 ,- .7/3 7*3 34/7;0J 6.0 ;7/9 2 "979#'"/ =,0 3- 7 ;759 3=0J 7*3 6.0 /4,6 2 %#J3.%3"/ +/87!'',- 30-5/,;03 7- 03,;0 3*3 8.0*' 0/:0*603 1/23450- 7 ,+.6 8,*0 3/4*9 ;= 6.0 *76,?0- 2 6.0 *3,7*' 0*,*-4 7 B %U

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- 4' ; " 5 1 ! 4 ! (B

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P .0'6/,;0' 8.,5.',-'/0 0//03'62' 6.0'-6/4564/0'2 '6.0'-67:0*-'7*3'6.0'-.2/6' 4*,50-'2
,*'6.,-'82/9',-',*5 4303',*'6.0'I 0*0/7' 7*67/4:'# 6.0'-003 B
' !+ ' ! ' "#$%#' $&' $ '' %#$ ()' $*

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8*;?-98?9?94+ 0;' 0 '
0-*8A' GB*: I,

?+A 9'DO ;9=' +0' ;O O ' +79' ? =9?

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99=# 9;+ 89'*;=' 4@+'
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' .3!-.'$/!39&5 '.#7-839&5 #&3&$' 3839&5 3'" H>V>&$' 3839&5 238$3"$')' 3'" (/!(/$"' #8' %9)5 &3 '$# '&' =' - ' #8&'"$')' $(#$%' $%"' .'$/!&' % ' #8:'"#3"5 N>2'!!')'E 7* + '.'"%)9!39&:"3 ' $%"' $3.' 3:' $%"' 2'!!' " - ! ' '?/!%9 #839&
' 08' ! 4 9894+' 08' 4 B> ; : ' ' * +98; *+9' 08' OCCG\?+9# ? BC 9# C9; ; ;98-9=# 9;+ 89' 08' +00+79=# 408 *490@?"' .'$#3!'' 0 +9;' > : *; =@ *8' *+' +79' +0C# 95?+ C@ *+9' 0 8 ' 89:@ *8# # 08' BC98 94+' >A' *889?+# ;' ?C F9?# 8*49B9?' 08' 79*=?# ;*F9=' 08' ; -0 @48*+9# *5 *8A' 08' +98B ;* # 9*47' 0 / 98' @8; ?79=' / +7' *' >8*4+' *; =' + / 0' *+98* ' OCCO? +9' >8*4+90 9?' .' ?@C98 08# =# 0>9?' -* -*+9' ;' >@=# =94 =@0@?# 08' C98? ?+ ; :' / +7' +79' 8@ +' ' # 8 C9+* ?' ;?98+9=' 0;' +79' 4* A5# * +98; *+9' / +7' +?' 0>9?# -* -*+9' ;' >@=' - ' ;?98+9=' / +7' +79' C9+* ?# ?0B9E + B9?' * +98; *+9' / +7' +79B# ?0B9+ B9?' =0@> 9' ;' ;@B>98# 0' / 47' +79' * +98; *+9' -9' *89' ;?98+9=' 7 : 798' *; =' 0CC0? +9' +0' +79' C9+* ?# 8*89 A' +8 C 9' +79' ; @B>98' :#!/ '8$& 899# 08B' 08' ?@>@ *+9' /8$%'"& ;+808?9# 49 9=# =97 ?4 ; :' 0; : +@= ;* A' % ' ; 98 08# H 49 9=# @?@* A' 480 / ;9=' / +7' *' ?0B9+ B9?' 8*A9=' 08' ;=9; +9=' = ?F' &$-!'' +98B ;* # ? BC 9' &$#7 /5 @; = - =9=' 3(9!'&' ' 08' # 8*89 A' # C9; =@ 0@?' .0B' +79' +0C' 0' +79' 2'!!5 / +7' !387' ; ; 4 9?# *@*+80C0@?' 0 ' *' =8@C9# 0 +9;' 0; : +@= ;* A' / ; :9=' ' @?@* A' ?0 +*8A' >A' *889?+' $'&$/' B9B>8*; 0@?# +7 ; ' '8)3.!'9"/' ? / 0 9; # ;+8@=9=' >9+ / 99;' +79' 0 =?' 0' +79' 40+A 9=0; ?' " - ! ' 95* 7@B ; 0@?# ?+8* : 7+' 23$-!')38& 0 *490@?# 80 9=' ;+0' *' ?C 8* # 08' +7 4F# 0 =9=' 9; :+7 / ?9# 08' 48@BC 9=' "/)#2!'' ; 9*8' +79' 7 @B# ?@C98 08

2"6# 62$ ' /

2*257/14-' 7+4*54 7/,7 4 : *,6MO/7
P'k4,->47,- P 2*,;/064 : 0/ : ,*7,7

. %"'$/2'2/' 7/0' *07/' 8/7"/"#' 5' /!3"/7'' '5' /.3!'38' 5' "5' D-00' 6.0-0' 7 : , ,0-F' .0' 3,7+*2-,-' 1/,*5,17 =' /0-6-' 2*' 6.0' 50 03' 2?7/=' 6.0' 2?4 0-' 10*34 24-' /2 :' 6.0' 621' 2' 6.0' 50 ' 6.0' -00303' /4,6' A 7*3' 6.0' -6/4564/0' 2' 6.0' -003' ' 7/0',*60/ 6/21,57' _2/' *07/ =' -2S

.0' 6/00-' 2' 6.,-' 7 : , =' 7/0' 4-0 4' /2 :' 6.0' .7/3*0--' 7*3' 5 2-0*0-0--' 2' 6.0,/' 8 223J 6.0,/' .7/9' 52*67,*-' 7-6/,*+0*6' 1/,*5,1 0-' 8 .,5.' /0*30/',6' 6,6' 2/' 67**,*+' 7*3' 3=0,*+' .0' -003' _2' '" #8/!#/' %',8!/' 9*28*' : 03,5,*7 =' 7-' =/2;7 7*-' 8 .,5.' ,-' 2, =' 7*3' : 45.' 0760*' ,*' *3,7' 87-' 2/ : 0/ =' 4-03' 7-' 7' 7G76,?0' _ .0' 7-6/,*+0*6' .46-' 2' ' %'%$!/' : 790' 7' 571,67' ,*9' 8,6.' -4 1.760' 2' ,/2*J ,6-' 07?0-' =,0 3' 7*' 0G50 0*6' =0 28' 3=0' 8,6.' 7 4 :' .0' -003-' 2' ' /87<&##:3!#/5 '!!'"#2/5 7*3' /$/..'5 7/0' ,908,-0' : 45.' 0760*' 7*3' =,0 3' 7*' 0G50 0*6' ; 7*3' 2, ' 1/23450-' ;= ,*5,-,2*-' ,*' 6.0' .7/9' 7' 8.,60 ;0*M2,*' 2' 7+/007; 0' -50*6' : 45.' 4-03' 7-' 7' 52- : 06,5' 7*3' ;4/*6' 7-' 7*' ,*50*-0' ,*' 74/,6,4-' .0' 8223' 2' 3832/".9' !/$#:3!#9&',-' /0592*03V' 2*0' 2' 6.0' ;0-6C,*' *3,7 B * S

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" 98+ 4* ?94+ 0;0 C ?+
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A8+ 9
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A8+ 9
+*B9;
GB*:#I

A8+ 9
-*8A 4@+
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0 / 98 / +70@+ *;+798?
08 ?+ : B *

;=8494 @B / +7 @;9R@* ?+*B9;?

B>8A0 GB*: I

" 98+ 4* ?94+ 0;0 0-*8A

@;= 9 0 ?+*B9;?

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.' (/!(/$'' Y3'# ,"#22)'Q# #8 %9) ! .3!-.'$/!39&-#8&'"$')38 $%'2/!-?5 # ,"#2/$'#8 %9) - 89 '"39&5#8&'"$')<#$%$%'.'$/!&' % #8:'"#3'3" &' #>#8:'"#3"5 &3 '$# '&:"''5 Y Q&'('"/!>2'!!')" '/2/.&9!'3", '""-' " - ! '?/!,9 #839&

-'7/;2/0-50*6 2/-4 /460-50*6' ?0/=' /7/0 =' .0/;75024-' G /"'-/:' 2112-,60' /7/0 =' 7 60/*760 2/8.2/ 03'-,:1 0'0*6,/0 2/?0/=' /7/0 =' 30*6,54 760' 76 2/5=,*3/,5 2/-0:,5=,*3/,5' (*0/?03 2/10**,*0/?03' *0/?0-' 2 60*' :7/+,*7 4-47 =' 52/,75024-' ?0/=' 2 60*' 32660 3' /2:'10 45,3'+7*3-'-4*.',*' 6.0' 17/0*5.=:7' *7//2803',*62' 7' 106,2 0' 76' 6.0';7-0' _2/-0--, 0S' J &$#.9!'&'+0*0/7 =' $' /7/0 =' +0:,*760' 76' 6.0';7-0' 2' 6.0' 106,2 0-':,*460' 5734524-' 0 8 'T' /0+4 7/' ?0/=' /7/0 =

?@> 889:@ *8' 80B'+79'k@;9R@*' 9;:+7'0'+79'?+*B9;?#*5 *8A'*;='?0 +*8A#08' ;' 7' ?C F9# 4AB9# 408AB>'08'C*; 4 9#?0B9+ B9?'9-9;'4*C +*+9#;*F9='08' ;-0 @48*+9'0 +9; >8*4+90 *+9# /7 +9#C ;F# C@8C ?7'08'A9 0/#;9-98'>@9' .'?@D%98 08'08'?9B E ?@C98 08'' !# % B@+ ='08' C*8+ +9#C98? ?+9;+'08'=94 =@0@?# -* -*+9' ;'>@='' ?0B9+ B9?'9;+89# 4 0?9=' ;'>@='*;='* ;:'*/*A' F9'*;'0C984@ ;B'*+'+79'95C*;?0;' 0'+79' 0/98' 2 ' ;?98+9=' 0;' *' = ?F' 9=:5:'+79'4* A5 +780*+# *;=' @?@* A' 95C*;=;:' ;+0' *' C *+9' 08' 4;?7 0;'/7 47' 480/;?'+79'+0C' 0'+79' 0-*8A# 9R@*' ;' ;@B>98' *;='* +98;*+9' /+7'+79'4* A5 0>9?# -98A'8*89 A' # B?+ -*+ 0;' B>8 4*+9' 08' 40;-0 @+9' & ?;@B980@?# ;?98+9='/+7'+79'C9+* ?# -98A'8*89 A'9R@*' ;';@B>98' *;='* +98;*+9# 0 +9;' =0@> 9' 08' +89> 9#*;='+79;' ?0B9'/+70@+'*;+798?# B0?+' 0 +9;' ;=9 ;+9# C @8 ?98 *+9# *;='+79;' @?@* A'* ' 98+ 9'D :#!/ '8$&' 08B' 08' ;9*8# 899# 08' B089' 08' 9?'B0;*=9 C70@?'*+'+79'>*?9# 08'@; +9='';'>@;=9?'0CC0?+9'+0'+79' C9+* ?# 8*89 A'@; +9='; +0'*' 4@C' /7 47' ?'*>>89- *+9='0;'0;9' ?=9# *;='0;' +79' 0+798' C80 0;:9=' ;+0'*' 40;4*-9' C9+* 0 =' > *=9' /7 47' ?' >9;+' =0/;' @C0;' +79' ?+A 9' *;='*;+798 980;?'/ +7 ;' /8$%'"&' ?B* # 80@;=9=# ;+8O8?9# 0 ' ' 40;+ :@0@?' 08' ?9C*8*+9='49 ?# 0C9; ;:'0;: +@= ;* A'08'+8*;?-98?9 A' % ;' ; 98 08'08'?9B ; 98 08# 40-989=' >A'*' 9?7A' = ?F# ?0B9+ B9?' 899' B "' -/5 9 +798' H 49 9=' / +7' ;@B980@?' 9894+' *;*+8OC0@?'0-@ 9?'0;'*'>*? *8' C *49;+*# 08' C @8 49 9=' / +7';@B98O@?'*;*+8OC0@?' 0-@ 9?' ;?98+9='*+'+79' B 98'*;:9'0'+79'49 ?# 08'0-@ 9?'8*89 A'?0 +*8A'*;='59='+0' +79' ;;98'*;:9'>A'+79'8'-9;+8*'?@8 *49' &$-!'' +98B ;*'08'8*89 A' *+98*' G ;'+79'H ' 49 9='0-*8AI# ? BC 9# ;*F9='08' >*8>9='*+'+79'+0C' &$#7 /' @;=-=9=' 2 ' :9;98* A'480/;9='>A'+79'C* A5 B>## ?0B9+ B9?' 3 49 9='*;='H ?99=9='>A'*889?+# =8A# ;=97 ?49;+# 08'R@+9' -* -9='*+'+79'+0C# ?0B9+ B9?' B*;A 49 9=#*;='+79;' 9+798'*'4*C?@ 9'0C9; ;:'*+'+79'+0C' 04@ 4=* A' 08' ?9C+ 4=* A'08'>A'+79'89B0-*' 0'+79'9C :A;0@?'=?F# 08'*;' ;=97 ?49;+'>988A'/+7'B*;A'G08'>A'*889?+'H I'?99=9='49 ?' '?+8* :7+#*;:@ *8# 4A ;=8 4'08' 40BC89??9=# ?0B9+ B9?' = B08C70@?' ;' 9*47' 49 # ?0B9'>9 ;:'+@8: ='*;=' 98+ 9# +79' 0+798?' ;9*8'*;='?+98 9' G 92/!-.$9&5 /%"#2#/ É $'&$/' 48@?+*490@?'08' B9B>8*;0@?# /;:9=' /@8; ?79='/+7'B9B>8*;0@?' ?4* 9?'*+'+79'>*?9'gG*889?+9='0-@ 9?\]' D .'" 3!'.#& ' " - ! ' 95* >@B ;0@?# ?+8* :7+' 08' 4@8-9=' 08' 80 9='?C 8* A' 23$-!')38& @?@* A'?708+# 0>+@?9# ?0B9+ B9?' 40; @9;+' /+7'0;9'*;0+798'*;='/+7'+79'8*=4 9# -98A'8*89 A' 0 *490@?' "/)#2!'' -9 A' 0 +9;' +7 4F#;95+'+79'7 @B

! ! ' +A

+*B9;?'0 +9;'=9 ;+9# ?0B9'@?@* A'?+98 9' -*8A' H 49 9=# /+7'0;9'08' ?9-98*''>*? *8'0-@ 9?' 8@+'H ?99=9=# ;=97 ?49;+# 08' BC98 94+A' -* -9='*+'+79' +0C 1 78@>?'0' @?+8* *# 0 +9;'89?9B> ;:' 9*+7?# *;='9?C94 * A' !/''"#/' 9*-9?' 0CC0?+9# 08'8*89 A'* +98;*+9# C@;4+*+9'?+ C@ 9?' '08'8*89 A''G /!-23$%"#? 5

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Þ 7 ?526 ,/,G' P 0/6,52/3,7 P .7: 0 745,4/7' 7/8,*,7 .26-9 ' ./ ©162 : 0*0

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+ A

+*B9;?- 98A 0 +9; ;=9 ; +9# 899# 08 C0 A*=9 C70@?# 8*89 A BO;*=9 C 0@? -*8A B*;A 49 9= 0-@ 9? ;@B980@?# 8*89 A ?0 +*8A ;9*47 49 *C?@ 9 04@ 4 =* 08?9C+ 4 =* # *89 A ;=97 ?49;+ 99=?0B9+ B9?= B08C70@?G 92/!-.$9&5 /%"#2#/5 U4 I 1 78@>? 08 +899?# *>@;=*;+ ;@?+8* *# 9?? ;@B980@? ;+80C 4* ? *9*-9? OCCO? +9 08 * +98;*+9# 95?+ C@ *+9# 9;+ 89 08 8*89 A =9;+ 4@ *+9# C@;4+*+9# ?0B9+ B9? C89?9;+ ;:+79 *CC9*8*;49 0 C7A 0=9?

5.2 6M,7 I 0059,7 =1257 =: *7 +2*,- P 0162-10/:4: P 7 ,-60 : 2* P 0 7 0,,27 P 074 2/6,7 P 7 2697* : 4- # 457 =164- I /,-67*,7 P 06/2-,30/2- 759 .24-,7) 7*692-60 : 2* # *+21.2/7 , ,266,7 P 7;/,5,7

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2)6# 62$ /

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_ 4:;2 36 30-5/,;0-' 6.0 /4,6-' 2' 9&$/(#/'&.'2#3&/' 7-' 0760*' ;=' 5.,3/0*' 7*3 574-,*+' 6.0:' 62' 64/*' 60:12/7/,=' =0 28' ' ,"/&#!#/8/',-' 7*' 0:06,5' 2-0 711 0-' 7/0 6.0 /4,6-' 2' 97'8#/' +/!/22'8&#&' .0 /4,6-' 2'6.0 .,,7*' ' 78# 7/0 0/=' 7+/007;0' =/6 0;43-' 7*3';0//,0-' 7/0 -6, '0760*' 7-' -1,50,*' 67 =' 7*3' :730,*62 8,*0J 6.0 280/-' =,0 3' '/9' 2$/87''' 7/,24-' -105,0-' 2' 92/!-.$9&' =,0 3' 7' /03 7-6/,*+0*6'+4:',90 ,*2' 7*3 7' :7**7CJ 2*0 7-:7*,7*' -105,0-' D ' 988##',-' 671103' 2/',6-' 4,50' 8.,5.' ,-' 0/:0*603 7*3' 3/4*9' 7/,24-' '.$3&.'" /'.7?0;00*' 4-03 7-' -4;-6,6460-' 2/' 607';=' 6.0 07/=' -066 0/-' ,*' 4-6/7,7' 7-6=' -2:0 -105,0-' 2' 92/!-.$9& 7/0 6.0:2-6 +,+7*6,5' 2' 6,:;0/' 6/00-' 7667,*,*+' *07/=' E$$' 006,*' .0,+.6 7*3 $' 006,*' +,/6. B * S

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8O+*+9 Y# % ?7O8+ A B@ + =G &$'"/8#%3& O8 =0@> 9# +79 0@+98?@> 8O+*+9# C * +9=# 9;+ 89# +79 ; ;98 8*= *+ ; :# B@ + =G /.3!'38/ ' = ' ;?98+9=* *+ +79 >*?9 0 +79 4080 *# C9+* 0 =# / +7 * *;+798?b *B9;+?]G /.3!'38/ 5 O8b *B9;+?] ;=9 ; +9# O8B G &$'"/8$%3& É /8$%'"& 49 9=# =97 ?49;49 0;: +@= ;* bO8 H 49 9= ; / .3!'38/4` # ; 98 O8 bO8 ?9B ; 98 O8# N 49 9=] &$-!' ?7O8+ &$#7 /* *=9C89??9=79*=# 0>9= B &$'"/8$%34&~ O8 C9 +*+9# *;:@ *8 D /.3!'38/ É 3(9!'& ?9-98* ; 9*47 49 # C9;=@ 0@? 80B +79 ; ;98 *;: 9 K 5 480 /;9= >A +79 4* A5 B> ??;? ;@B98O@?# ?@;F ; +79 C@ C b ; /.3!'38/ 9/# *8:9# *;: 9= O8 89; O8B# / +7 * B9B>8*;0@? +9?+ *;= *8:9 +7 0F 40+A 9=0;?# >9+/99; / 7 47 +79 8*= 4 9 ? 89+8*4+9='1@;F;0/ ; &$'"/8$%3& 8 %U'%

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-' *8>O89?49;+' O8 8@+9?49;+' O8 ?@ 8@+9?49;+# 8*89 A 798>*490@?# 9894+# 4 B> ;:' O8 9C C7A+* # / +7 4A ;=8 4 O8 +9+8*:0;* '>8*;479?' ?/0 9;' *+' +79 ;0=9?' 'OCCO? +9 O8 /708 9=# ? BC 9# 9R@* ' O8 @;9R@* # 9;+ 89# 8*89 A +OO+79=# @?@* A ;*880/9=' ;+0' *' ?0B9+ B9?' ?/0 9;' C9+ 0 9' '*+98* ' ;98-9?' # # N # O8 # ;9*8 A#*?' C80B ;9;+' *?' +79 B9= *;# *;=' = 894+9=' F9 +' 80B +79 >*?9 +0 +79 +0C 0 '+79 9*# C89?98- ;:'*' @; O8B +7 4F;9??# *;=' @; +9=' >A ;98 +8*;?-98?9 ;98-9?' " 8 ' U4' 89:@ *8# @?@* A ;' C*; 4 9=' O8 40;+8*4+9=' 4AB9?# 8*89 A ?0 +*8A# ;*F9=# O8 = -98?9 A >8*4+90 *+9# ?0B9+ B9?' @8; ?79= / +7 *' ?O8+' O '40 O@89=' ;-0 @489' D !/ 2'/' " ($ P $"' P2'4*BC*;@ *+9# @8490 *+9 O8 O> 0;: +@>@ *8# R@ +9 899# O8 *=798 ;:'+O +79 0-*8A' >A 0;: +@= ;*'?9C+*' C(-!' N M C*8+ +9# ?0B9+ B9?' 9;+ 89# B>8 4*+9 O8 40;+O8+9=' ;'>@=' 2 ' 899# O8 ?0B9+ B9?' ? :7+ A @; +9=' *+'+79'>*?9# ;?98+9=' 0;' +79 4* A5 +780*+# 0;' *' 9?7A' *;;@ *8 *A98# * +98;*+9 / +7 +79 4* A5 ?9:B9;+?# ?7O8+ A 4 */9=# 40;+O8+9=' ;'>@=' - ' ;?98+9=' / +7 +79 C9+* ?# @?@* A =0@> 9 GO8 ?0B9+ B9?' B@ + C 9I +79 8 ;@B>98# ?0B9+ B9?' 9R@*' D 38'"#!/5 3$'"' /8$%'"/ 5 ?0B9+ B9?' * ' 9R@*' *;=' 98+ 9# ?0B9+ B9?' +7O?9 OCCO? +9 +O +79 C9+* ?' ?B* 9?+' O8 ?+98 9# 8*89 A 8@= B9;+*8A' O8 ' :#!/ '8$& 899# ; 959=' ;' >@=' D /8$%'"&

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! G B ./4;- 2/ 6/00- :2/0 # .0/;- 7 =G 52/,75024- 2/ .0/;75024- 4-47 = 52-6760 2/ -6/,760 280/- /7/0 = -:7 067 - 4-47 = 5/4:1 03 : # 9 (: !- & # ") ! $!#" (4 : ! + C

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-$%"/"#'2 ' 7/0' *07/' 8/7"/"#22'5' +)/&$3 /2' ' 7*3' /?#:"/7'&' D-00' 6.0-0' 7,*, ,0 -F' .0=' 7-2' 711/275.' %#J3.%3"'&' ,*' 6.0,/' 10/-,-60*6' ?7 ?*60' 57 =G ' -67 : 0*-' : 2/0' *4 : 0/24-' 6.7*' 6.0' 1067 -' : 7*= 50 03' 2?7/=' 7*3' -6/7,+.6' 0G7 ;4 : ,*24-' 0 : ;/=C2' J ;46' %#J3.%3"'/' .7?0' 7*' ,* 0/,2/' 2/ -0 : , ,* 0/,2/' 2?7/=' 6.0' 50 -' 2 ' 8 .,5.' 2* =' 52*67,*' 682' 10*34 24-' 2?4 0-' _2 60*' : 2/0' -00' 6.,-' 2/30/'1'% YS

-$%"/"#'&' <''5.,0 =' 6/21,57' : 0/,57*' J 6.0=' 7/0' : 45.' : 2/0' /7/0' ,*' 6.0' 60 : 10/760' /0+,2*-' 2' ;26.' .0 : ,-1.0/0-

.0' -105,0-' 2' 6.,-' 7 : , =' 12--0--' 3, 0/0*6' 1/210/6,0-J -2 : 0' G -$%"9 ' 9!#2/"#/' 5,,*67,*' 67**,*' Z86*5.'/0*30/-' 6.0 :' 7-6/,*+0*6J 26.0/-' 9.%'/' -05/060'/0-,*24-' 7*3' 75/,3' 1/,*5,1 0-' 8.,5.' 574-03 6.0 :' 62' ;0' 4-03' 7-' *4/+76,?0-' 0 : 06,5-' 2/' 3,4/06,5-' /<&38#/'/!%/' D 0**7F' 7*' +=16,7*' -./4;',-' /0H *28*03' 6./24+.246' 6,0 7-6' 2/' 6.0' 10/4 : 0' 2',6-' 280/\' 746 2/' 6.2C2/**+0 /0, 02 24,*,+',,4,660/' 52*67,*03',*',6-' 07?0-' 8,6.' 8.,5.' 6.0' 82*,0*' 3=0' 6.0,/' *7, -' 7*3' .7,/J',6-' /226' D 97**7F' ,-' 7-6/,*+0*6 7*3Z=,Q.,- !#+3Z Z0' _ .0' /88#/' ('&#2/$3"#/5' 7*' *3,7*' 8003',-' 7' -6/2*+' ?0-,57*6' ' .!##&'/2#)9!9 ,-' 4-03' 7-' 7' 126 .0/;',*' 6/21,57' -,7' .0' 280/-' 2' 332!:3")#/'$3 '9$3 5' 6.0' .79' 2' *3,7' 7/0' :45.' 4-03' 7-' 7' /03' 3=0' .0' 7+0/-6/20 :,7-' 1/23450' 0G50 0*6' 6,:;0/' 57 03' !7/4',*' *3,7' .0' 8223' 2' 888'"/$#/'/2#)/',-' 52*-,30/03' 6.0' ;0-6' -4;-6,6460' 2/' 527' 2*' 6.0' *34-' -607 : 0/- B * S

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-' 8223=' ; /7*5 . 0-' -2 : 06, : 0-' -1,*0-50*6' '+0*0/7 =' 2112-,60' 2 60*' 7-5,5 03' 0*6,/0' *26' 14*56760' + 7 ; /24Q' 0G-6,14 760' 0 8 ' + ' 60/ : ,*7 ' -2 ,H 67/=' 2/' 7++/0+760' .' 52 24/03E , : ;' : 7*= 17/6,60' : 7*= -0/,760' ?7 ?760' ,*' ;43' 2 ' E ' ',*-0/603' 2*' 6 . 0' 57 =G 6 . /276' 7 60/*760' 8,6 .' 6 . 0' -017 -', : ; /,5760' ,*' ;43' - - ' *4 : 0/24-' : 7*= -0/,760',*-0/603' ;0 28' 6 . 0' 1067 -' 7*3C,*5 4303' J :#!/ '8$&' , , 2/ : ' /00J' /8$%'"&' ,*6/2/-0' 50 03' 2?2,3' 32/-, ,G03' 30 . ,-50*50

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0;: +@= ;* % *=798 ;:+0 +79 8949C+*4@ *8 4@C G4* A5 +@>9I 08B ;: ?@C98 BC0?9=80/?+79 0/98 M 49 9=/ +7 49;+8* C *99;+*+ 0;+79@CC98 O 49 9=/ +7 C*8 9+* C *99;+*+ 0;&$-!' 08B? BC 9 &$#7 /4*C +*+9 3(9!'&;@B980@?# *;*+80C0@? K (?C798 4* 480/;9= >A +79 4* A5 B>#49 ? ?9C*8*+9=>A B9B>8*;0@? ?9C+* ;@B980@?# ;+9:@B9;+ @ 0 *;*4 =C9 @4 =C@C " - ! 95* >@B ;0@?# ?+8* :7+ 23$-!')38& 0 *490@?# 40;-0 @+9 "/)#2!' 0>0;:# ?708+# C0 ;+9=

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.0 /4,6 2 6.0 2:0+/7*760 ,-1/2;7;=:2*-6/24- 7*3 7*7 2+24- 62 50/67,* /4,6- -,*+4 7/=: 23, ,03 ;=54 6,?76,2* 7- 6.0 2:762 D -23.'#>&#29 '&29!'8$9$"# 5 7*3 6.76 ?7/,06=2 /7*+0 57 03 f ,M7//0/,0#2/f 0 7/270# _ .0 2:0+/7*760 ,-,*3,+0*24- ,* 110/ *3,7 8.0/0 ,6- /4,6 762+06.0/ /0-0:; 0-6.76 1 6.0 54 6,?7603 -6760 B *

.0 +0*4- 98#'/ ,-?0/=*07/ +-"$/2'2'D-00 6.76 7:, =F .0 &#87!'-105,0- 2 8.,5 ,6 ,- 52:H 12-03 D %4/8/$9#8 ,- 7 *76,?0 2 74/,67*,7 P 8.0*50 ,6- *7:0 2 98#'/ $ 7"3<& 7 7 2*+ 6.0 -.2/0- 2 6.0 03,60//7*07* 7*3 0 G60*3- 6.0*50 6./24+.246 6.0 60:10/760 /0+,2*- 2 6.0 82/ 3J ,6- /4,6 D 2:0+/7*760 F ,-52?0/03 8,6. 7 52/,75024-;7/9 57 03 U:7 ,02/#?0/=/,5.,* 67**,* 7*3 4-03 ;= 54//,0/-J ,6- 14 1=-003- 7/0 /0 /0-.,*+ 6- 280/- 57 03 /!/9&$#9 5 80/0 2/:0/=73:,*,-60/03 7- 7 ?0/:, 4+0J ;46 ,6- 7*6.0:,*6.,5 1/210/6,0- 1/,*5,17 =0G,-6 ,* 6.0 ;7/9 2 ,6- /226 .,- ;7/9 52*67,*- 7* 7-6/,*+0*6 -4;-67*50 8,6. 7:,3 7*3 7* 75/,3 1/,*5,1 0 8.,5 7660/ 30-6/2=-671082/:

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38 % .3!-.'$/!39&5 '.#7-839&5 238$3"$')4#8 ,9) - #8&'"$')#(#$%$%"5 .'$/!&5 '79/! 3")39,!" $%' 5 #8 89 ,'"5 "/"'!-:'<'" % #8:'"#3"5 /8->2'!!')5 /8-> B"/"'!-:'<> 3(9!') " - ! '?/!,9 #839&

9889?+8 * 08 *R@*+ 4 ! 4 08 ! 0CC0? +9 08 * +98;*+9# ? BC 9# C9;;98-9=# 9;+ 89 08 +00+79=# 95?+ C@ *+9 " 8 # @?@* A 89:@ *8# 0 +9; @:*4 0@?# *5 *8A *;=?0 +*8A# 08 8*49B9=08 ?C F9= .798>*490@?0 08 40 0@89=" B> G8*89 A M I C*8+ +9# C98? ?+9;+ 08 =94 =@0@?# -* -*+9 ;>@=2 G-98A 8*89 A I ;?98+9=0;+79 +0C 0 +79 4* A5 +780*+# 0;*;9C :A;0@?# *+ 08 *;;@ *8 :*;=@ *8 = ?F# * +98;*+9 / +7 +79 4* A5 ?9:B9;+?# B089 08 9?? = ?+ ;4+ A 4*/9=# ?0B9+ B97 9B*8:;*+9 08 > =# 40;+08+9=;>@= ;?98+9=/ +7 +79 C9+* ?# 9 +798 9R@* ;;@B>98 *;=* +98;*+9# 08 =0@> 9 *;= H ?98 *+9# 8*89 A 9/98 :#!/ '8$& 08B 08 ?@>@ *+9# 899 /8$%'"& 49 9=# ;+808?9# =97 ?49;49 0;:+@= ;* " .3!!'8 3:+8:0;0@?:8*;@ 9?# 0 +9;40798 ;:>A +789*=?% ; 98 08# 0 +9;480/;9=>A +79:*;=@ *8 9=:9 0 +79 = ?F# C?@* A G8*89 A I 49 9=" &$-!" 08B" &$#7 /& *? B*;A*? 49 ?# ;9*8# C*C 0?9 0;+79 8 ;;98

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?@8 *49# 8*89 A 407989;+ 3(9!'& ;@B980@? ; +79 49 ?# ;?98+9= *+ +79 ; ;98 *;: 9# 8*89 A 9/# *?49;= ;: 08 C9;=@ 0@?# *;*+80C0@? : 9;98* A *4*C?@ 9# ?0B9E + B9? *>988A G 92%&#/ 5 *89 A ;@+ F9 D /9"/ E 2/.&9! 49 9=# ?0B9+ B9? H 49 9= >A 0> +98*+ 0; 0 +79 ?9C+*# 04@ 4 =* GD 83$%'"/ 5 08 ?9C+ 4 =* G 9&&#'9/5 &8/")#/ 5 / +7 ?9B ?9C+ 980@? -* -9?# 08 7*- ; : +79 ?99=? 0; * 899 40 @B9 * ;@B980@?# 8*89 A 9/ 08 ?0 +*8A# *?49;= ; : 08 C9;=@ 0@?# $'&$/ 48@?+*490@? 08 B9B>8*;0@?# ?0B9+ B9? / ; :9= G+38$#8#/ 5 ?0B9+ B9? 8 ; :9= G 3) '$#/5 !/"%#/ 5

08 7* 8A *+ +79 4 * *<* 4G .#!3,#9 " - ! 95* >@B ;0@?# ?+8* :7+ 23$-!')38& 0 *490@? 08 * ++ 9 9?7A# 0 +9;* *@8 4 9= *+ +79 >*?9 "/)#2!' 90; 4* # 4A ;=8 4# ;9*8 +79 7 @B# ?@C98 08 08 ; 98 08# 8*89 A 49;+8 C9+*

P 1,2;,4 : P!4--,047 438,+,7 P 7,C9,7 'P D *26.0/7
P 45.-,7 P 210M,7 P 2306,7 P 45.7/,3,4 : -*7/3,7
P h74 5.*0/,7 ,/5607 P 74/7 /717 PS

2*6,*,7

8/7"/"#' 7/0 52**05603 8,6. /! >/7'$'5 "/.' 7*3 3 %"'$/2'$;=6.0 ?7 ?760 57 =G 6.0 ,-2 2/ 3,1 2 -60 : 2*24- 52/2 7 7*3 6.0 ,* 0/,2/ 2?7/=J ;46 /!3"/7' 3, 0/ ,* 6.0,/ 7 ;4 :,*24- 0 : ;/=2 "/.' ,* 6.0, ; ;/,5760 70-6,?76,2* 2 6.0,/ 52/2 7 7*3 38#,"'$/32 ,* 6.0,/ 50 03 2?7/= 7$%"/"#' .7?0 -2 : 0 7 ,*,6=8,6. 8/7"/"#' J ,* ;26. 7 : , ,0- 6.0 57 =G ,- ?7 ?760 690 52/2 7 ,-2 2/ 3,1 2 -60 : 2*24- 6.0 2?7/,7* 50 - : 7*= 2?4 03 6.0 -6= 0 -, : 1 0 6.0 /4,6 7 571-4 0 7*3 6.0 0 : ;/=2 -6/7,+.6 7*3 0G7 ;4 :,*24- J ;46 -$%"/R#' .7?0 7 /00 2?7/= 7*3 , : ;/,5760 1067 - 8/7"/##' 7/0 8,30 = 3, 4-03J ;46 5.,0 = ,* 6.0 0G6/7 6/21,57 60 : 10/760 /0+,2*- 2 6.0 *2/6.0/* .0 :,-1.0/0 7*3 0-105,7 = 2 6.0 08 O2/ 3 92%&#/ 0G60*3- /2 : 0G,52 62 6.0 6/7,6- 2 7+0 7* 7*3 08 h07 7*3 7*= 1,2;,7 7/0 24*3 ,* 6.0 -246.0/* .0 :,-1.0/0 _6.0= 7/0 5.7/7560/,-6,5 2 6.0 .0/;7H 5024- ?0+0676,2* 2 08 h07 7*3S

8/7"/"#' 52*67,* : 4524- 7*3 -2 : 06, : 0- - ,+.6 = 7-6/,*+0*6 1/,*5,1 0- 7*3 2/ 6.,- /07-2* #"' /' !9$'$#/8/' 7*3 6.0 *7//28 07?03 1,2;,7 7/0 4-03 ,* Q2 : 0 524*6/,0- 0-105,7 = 0G60/*7 =J ,* 8030* 6.0= 076 6.0 =24*+ -.226- 2 6.0 7660/ 0?0/7 *26.0/7- 7*3 0-105,7 = D %# 8#&5 .7?0 7 -8006 7*3 03,; 0 /226 $$2%&#/' '?23"$#3/$/' .7- 12,-2*24- ;0//,0- _NS _ .2-0 2 26.0/ -105,0- 7/0 -8006 7*3 03,; 0 + 38$#8#/5 7 710 +0*4- ,- -7,3 62 ;0 75/,3 B * S

AEA 8)!#2%'"

4@?+8 ;9 0+ ; :! 4 ?0B9 ?@>B98:9=# 0+798? 9B98:9=) +79 ?@>B98:9= 0CC0? +9# C ; ;*+ ?94+ G F9 800+ 9+?I# +79 @CC98 * +98 ; *+9 +79 9B98:9= ; *80?9++9# C9+ 0 9=# 870B>0 = . '$#3!' -9? 4@ *8 =@8 ; : 0/98 ; :# 95?+ C@ *+9 0 8 *5 *8A# ?0 +*8A# ?7O8+ A C9=@;9 9= . C*8+ +9# -* -*+9 ; >@=# / +7 ?C ; A 0>9? 2 # ; ?98+9= 0; * ; * ; ; @ *8 9?7A ? ; @0@? = ?F# 480/ ; ; : +79 +0C 0 +79 0-*8A# * +98 ; *+9 / +7 +79 4* A5 ?9:B9;+?# B>8 4*+9 ; >@=# 9=:9? 0 =9= - # ; ?98+9= / +7 +79 C9+* ?# +79 * +98 ; *+9 ?7O8+98 :#!/ '8$& 08B ?@>@ *+9 /8$%'"& ; +80 .?9# 49 9=# =08? 59=# =97 ?49 ; 49 0 ; : +@= ; * % ?9B ; 98 08# 0 + / 0 H 0"@9= 49 ? &$-!' 4A ; =8 4# ? BC 9 &$#7 /* *++9 ; 9=# 0>+@?9 3(9!'& C9 ; =@ 0@? 80B +79 +0C 0 +79 ?9C+@B# * ; *+80C0@?# 8*C79 =08?* 0 408 *490@? bO8 /00=A]# ; =97 ?49 ; +# 480/ ; 9= >A +79 ?C ; 9?49 ; + 4* A5 B># / 7 47 89?9B> 9? 1 708 ; ?# 4*CC9= >A +79 7*8=9 ; 9= = ?F# H 49 9= * ; = H ?99=9= 80B *889?+ ; -98+9= $'&/ B9B>8*;0@?# *=7989 ; +# 279 @CC98 C*8+ ?C0 ; :A " - ! 95* >@B ;0@?# ?+8* :7+ 23$-!')38& -98A @ ; 9R@* # 0 ; 9 -98A *8:9# +7 4F# * ; = *8 ; *490@?# +79 0+798 B ; @+9# ?R@*B 08B# ; ?98+9= *+ 9 0/98 "/)#2!' ? :7+ A

00 2/30/ "/.' 5 1 %(Y4 5 " d 00 7 -2 4*30/ 8/7"/"#'$ 5 1 %(Y 5 "

, ,- " B 07?0-7 60/*760 7 =G /00 % E : 0/24- 067 - $ 67 : 0*- < ($,*-0/603 ,*#2*0 -0/,0-8 ,6 .,*6 .0 57 =G 64 ;0 4-47 =7 60/*76,* 8 ,6 .7- : 7*=-67 : ,*23/- /&'/"#/5 A /"#/5 /(#-)/5 "5

! & ! K B 07?0-7 60/*760 7 =G /00 % E : 0/24- 067 - % E 2/ : 2/0 67 : 0*- : 7*= ,*-0/603 ,* : 7*= -0/,0-2* 7 10/,+=*24-3,-9 /8/"/5 * ##%!#/5 "5

! $! " " B 07?0-2112-,60 -4 ; 2112-,62 2/ 8 .2/ 0! 7 =G % 17/6,60 ?7 ?760 067 - $ 67 : 0*- 2/ ,*30 ,*,60 2/ : 7*= -0/,760 -67 : ,*230- $ %/$#/5 !#/%4#-%#/5 .!#2'"' /

! - W B 07?0-7 60/*760 /7/0 =-4 ; 21SF2-,60 2/ 8 ;2/ 03 7 =G /00 2/ 73*760 62 6.0 2?7/= % E : 0/24- 067 - % E 67 : 0*- 7- : 7*=C 7- 7*3 2112-,60 62 6.0 1067 - 2/ , : 2/0 ,* ;4*3 0-2112-,60 62 6.0 1067 - 7*3 7 60/*76,*+ 8 ,6 .+ 7*3- 3 /!#$# 5 -"&/8$! &5 "5

- : 7 2/30/ ,*60/ : 03,760 ;0688 00*' /&) !3"' 7*3 #?#8'D&5 3, 0/,*+ /2 : 6.0 :3" '"',* .7 ;,6 7*3 6.0 87*6 2 7 52/2*7'7*3 /2 : 6.0 7660/ ,* 10/,+=*,- : @ ,6 ,- 7 -2 *07/ 6#3!/"#$'' 7*3 /8'!!/2'2' .0 -105,0-7/0 08 8.2 =6/21,57 7*3 24*3 ,* ;26.6.0 7-60/*7*3 O0-60/* .0 : ,-1.0/0- .0 +0*0/7 1/210/6,0- 2 6.0 2/30/ 7/0 7-6/,*+0*6 ;46 *2*0 7/0 2 7*= 9*28*? 7 40J -2 : 0 7/0 ;,660/ 26.0/- : 45, 7+,*24-7*3 26.0/-7+7,* 7/0 -7,3 62 ;0 75/,3 B * S

b 08 @?+8*+ 0;?# ?99 C O]

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4 9&&#'9 1 4 *98$% 5 4 #8#!

. 3!-.'#/!39&5 '.#7-839&5 /8#&3&$' 3839&5 (/!(/$'3 # ,"#2/$' #8 %9) 3" 89 '"39& $%/8 $%" .'$/!&5 "/"'!- /!! :'"$#!'5 $%" 39$'" 9&9/!!-:'"$#!' /8) 98#$')#8 ,98)!'&5 $%" #88'" &$'"#!' % #8:'"#3"5 N>2'!!')5 .!/2'8$/$#38./"#'$/! % .'8)9!39&5 /8/$"3.39& o /2/.&9!' " - ! /!,9 #839& " &9.'"#3"

894+ 08 4 B> ; : 0 +9; = 470+0B0@?# @?@* A 40-989= / +7 ?+ 0 +9; 700F9= ?+ ; : ; :>8 ?+ 9? 0CC0? +9 08 * +98 ; *+9# ? BC 9# @?@* A C* B 0>9=# 95?+ C@ *+9 o 8 d# 89 : @ *8# ?0 +*8A 08 * : : 89 : *+9=# 0 ; ,>8*4+90 *+9 C9=@ ; E 4 9?# *5 *8A 08 +98B ; * # 08 9* ,0CC0?9= 80B +79 9 0 ; : *+ 0 ; 0 +79 *5 *8A >8* ; 47 . ?@C98 08# C*8+ +9# 0>9? @?@* A M ; 98-9=# B>8 4*+9 08 -* -*+9 ; >@= 2 =94 =@0@?# ; ?98+9= 0 ; +79 4* A5# 8*89 A 9R@* +0 +? 0>9? ; ; @B>98# * ; = * +98 ; *+9 / +7 +79B# 0 +9 ; =0@> 9 ; ; @B>98# 0 / 7 47 +79 0@+98 *89 * +98 ; *+9 / +7 +79?9 ?*B9 0>9?# * ; = ; =@C 4*+9 -* -*+9 08 B>8 4*+9 ; >@=# * ; = *? B*; A ; ; 98 0CC0? +9 +0 +79 4* A5 0>C?# ?B* 98 +7* ; +79 0@+98# ?0B9+ B9? * ; +798 980@?# :9; 98* A ?R@*B 08B# =08?* A ; *F9=# 08 * / ; 9= >9 0 / +79 +0C - ; ?98+9= / +7 +79 C9+* ?# =0@> 9 ; ; @B>98 08 ; =9 ; +9# 8*89 A * 98+ 9 +79 0@+98 @?@* A 98+ 9# -*8 0@? ; ; @B>98# :80@C9= ; >@; = 9? >9 089 +79 *8:9?+ C9+* ?# +79 ; ; 98 ?+98 9# = 989 ;+ A ?7*C9=# ; :80@C? 0 0@8?# 0CC0? +9 +0 +79 ?B* 9?+ C9+* ? :#!/K '8&& 08B 08 ?@>@ *+9# 899 08 @ ; +9= ; >@ ; = 9? /8$%'"& ; +8O8?9# 49 9=# =08? 59=# =97 ?49 ;49 0 ; : +@= ; * % ; 98 08# H 49 9=# / +7 M C*8 9+*

I " ' 3
99=# 9 ; + 89' * ; =' 4@+' - 98+ 4* A' ; ; 98' C9+* '
GB * : I ' GB * : I

GB *+I ' *8+' O ' O - *8A' 48+6 - + * A' GB * : I ' 8* ; ?- 98?9' * ; ' O ' O - *8A' GB * : I

%%%

1 750*67-J " -, : 1 0 , , 2/ : 2/ 6/,+2*24-J &$#7 /' 4*3,?,303 2/ (% ,3J 3(9!'& 4-47 =' *4 : 0/H 24-'10*34 24-'7*76/2124-' 52*62/603 2/ 5= ,*3/,5' 64*,5760 ;=' 6,0' /05016754 7/' 5414 0 D2 60*' 2 ,, 0/24-F' 8 ;,5 ,' -2 : OH 6, : 0-' 2* =' 73 . 0/0-' ;=' ,6-' *0/?0-' 7*3 5/28*03 ;=' " 9 /7/0 =' 0-.=' 7*3 ,*30 .,-50*6' 4-47 =' 210*,*+C ' ' 621' 2/ 6./24+.246 ,6-' " > ' #$% ' "' '7 60/*76,*+'8,6.' 6.0 1 750*67-'8 .,5.'73 . 0/0 62 ,6' 2/ ,*7 =' -017/760' 7*3 /01/0-0*6 7 60/*760 ?7 ?0-' *7//280/' 6 . 7*' 6 . 0 6/40 2*0-'7*3 -0 : , -0 : ,H

: ' (

*, 0/24-' '4-47 =' *4 : 0/24-'10*34 24-' 4*,5 0-' - . 2/6J $'&$/' 22-0'/06,54 760J '8)3.!'9"/' : 0 : ;/7*24-' " - ! ' -6/7,+.6' ,*' 6 . 0 7G,-' 2 ' 7 0-.=' 7 ;4 : 0*'7*3 *07/ =' 0>47 ,*+' ,6PV,*' 0*+6 . J 23$-!')38& 76' - : 7 J "/)#2!''5= ,*3/,5' 2*+0/' 6 . 7*' 6 . 0 526= 032*-' -410/,2/

P' 0*6MO ,7 f 7/62*,7' P%$&(&' 7 21 . 2/7' _ /2*2?,7S

3/&'2" 711/275.' /&&#:$3"' ' D-00 6 . ,-' 7 : , =F' ,90 929"%#$/2'/'5 6 . 0=' 7/0 +0*0/7 =' 5 , : ;0/-' 8 ,6.' 17 : , 2 ; 03 07?0-J 6 . 0,/' 2?7/=' ,-' ,* 0/,2/' 7*3 2*0 50 03' 8 ,6.' 17/,067' 1 720*676,2*' J 6 . 0 2?4 0-' 7/0 *4 : 0/24-' 7*3 7*76/2124-' J ; 46 929"%#$/2'2" . 7?0 30 ,*,60 -67 : 0*-' 0G6/2/-0 7*3 4-47 =' -=*+0*0-,24-' 7*6 . 0/-' 3,5 ,*24-' 280/-' 60*3/, -' 7*' 0G7 ; 4 : ,*24-' 0 : ; /=2 7*3 52/2 7', : ; /,5760 ,*' ; 43' . 0 -7 : 0 7 ,*,6=' 0G,-6-' ; 06800*' !3 ' '7*3 "383(#'2'A' 8 . ,5.'7+7,*' 7/0 -017/7603 ; ='6 . 0,/' 10*67*3/24-' 7*3/205,4 : ' YT '#4/!!#/' 7*3 26 . 0/' 3/&'2" 7/0 10*67*3/24-S' 6 . 0 0-.=' /,*+' 5/28*,*+' 6 . 0 2?7, =' 6 . 0,/' 3/=' /4,6' 8 . ,5.' ,-' 7 *454 0' 7*3 6 . 0,/' 0G7 ; 4 : ,*24-' -003' 3/&'2" . 7?0 7 -2 7*' 7 ,*,6=' 8 ,6.' 9"8'"/2'2'5 ,*' 6 . 0 52*H 62/603 -0-6,?76,2*' 2*0 50 03 2? /=' 17/,067' 1 720*676,2*' *4 : 0/24-' 7*76/2124-' 2?4 0-'571-4 7/' /4,6' 7*3 -6/7,+.6 7 ;4 : ,*24-' 7G, 0 0 : ; /=2J ; 46 ,*' 9"8'"/2'2" 6 . 0 2?7, =' ,-' /00' 6 . 0 -67 : 0*-' 30 ,*,60' 6 . 0 ?7 ?0-' 2' 6 . 0 571-4 0 7/0 -0 : , 1 750*6, 0/24-' 7*3 6 . 0 -60 : ',-' 0/056

3/&'2" 7/0 7 ' : 0/,57*' 0G5016 6 . 0 +0*4-' #&&'8#/5 8 . ,5.' ,-' /,57*' 2-6 2' 6 . 0 : ' +/28' 2*' 6 . 0 - 210-' 2' 6 . 0 2/3, 0/7-' 75,*+' 6 . 0 75, ,5 507*' ; 0=2*3 6 . 0 0>4762/' ; 46 *26 ,*' 52 3 /0+,2*-' . 0 -105,0-' 7/0 ,66 0 4-03' 0G5016,*+' + '8$J'!#/' %#&.#)/5 8 . ,5.' ,-' 7 -6/2*+' 14/+76,?0' 7*3 0 : 1 2=03 ;=' 6 . 0 0G,57*-',*' -=1 . ,6,5 7 056,2*-

"38 #'2'5 7 4303 62 ,*' 6 . ,-' 82/9 4*30/' 929"%#$/2'$'5 52*-,-6-' 2' 2*0 +0*4-' 8 . ,5.' 4*324 ; 603 =' ; 0 2*+-' 62 3/&'2'5 8,6.'6;0 .7;,6 2' 929",#$/2'2' B *

<(D3' " " <(' 8@ +' G+O*: I

<(0/98 GB*: I, (:Æ8"'/ % *:8*B < - ' 9+*' GB*:

¤ =.3!-.' !39&' .'"#7-839&' #&3&$' 3839&' 238$3"$')'
#8'%9)' - ' D4 &9%>%-.37-839&' ? 0 ':"''' N>''!!')'
<#$%' (' ./"#'$/!'.!/2'8$/&' F"' <#$%' ' &' #>&' #8#:'"39&'
(/!('&' ' &$"3.%#3!/$'' " -& ' /!,9 #839&
! 4 2/' & ! 4 2/' ! 4 5.,0 =' 2 '6/21,57'
: 0/,57' 8,6.'-,: 1 0' /7/0 =' -60 760' .7,/-' '7 60/*760'
-,: 1 0' 106,2 03' 0*6,/0' 2/' 6226.03' /7/0 =' 1,**76, ,3' 0G-6,1*'
760' .46' 2 60*' 4/*,-.03' 76' 6.0' ;7-0' 8,6.' ' 760/7' + 7*3-
2 8 ! ' Q ' /0+4 7/' 7G, 7/=' -0--, 0' 2/' 1034*5 03J .')982!'
/00' 2/' 73*760' 62' 6.0' 106,2 0' -,: 1 0' ;/75602 760C' 2/'
2,*603' ;0 28' 6.0' :,33 0' 7*3' 0;/7560760' ?0/=' /7/0 =' ;/7*5.H
,*+' 7*3' :7*= 280/03' .' 52 24/03' 305,3424-' E ,3' ,: ;/,5760' ,*' ;43
2 ' E',*-0/603' *07/' 6.0' ;7-0' 2/',*' !6.0' 6./076' 2' 6.0' 57 =G' 7 60/*760' 8,6.',6-

++B9'
99=#'9;+ 89' *;=' 4@+' -98+ 4= A'
GB' *: I

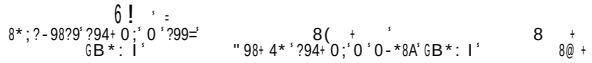
2;0-' -.2/6 =' 5 7803' 0>47 ' 52*62/603' ,*' ;43' 305,3424-' - ' ' ,*-0/603' 76' 6.0' ;2662:' 2 ' 6.0' 57 =G 64;0' 7*3' 2112-,60' 62' ,6-' 2;0-J :#!/ '8$&' /00' 1,7*2 ' -4;4 760J /8$%'"&' ,*6/2/-0' T 50e 03' 0/056' 30.,-50*50' 2*+,643,*7 ' % ' /00' 50 03' 8,6.' (' *0/?, 2/:' 1 750*67-' 7 60/*76,*+' 8,6.' 6.0' -464/0-' 2 ' 6.0' 57/10 -J &$-!'&4' (' 60/:,*7 ' 2112-,60' 62' 6.0' 1 750*67-J &$#- /&' (' 2/' ' 7* -.7103J 3(9!'& *4:0/24-' 7-50*3,*+' 7*76/2124-' ' 8,6.' (' -0:,1 750*6, 0/24-' ?7 ?0-' ' *4:0/24-' T -0/,760' 7-50*3,*+' 5=,*3/,5' 54/?03J $'&$/' 5/4-675024-J %#!9 ' ;7-, 7/J "/.%'' ,, 2/:J 2%/!/J/' 1/2 056,*+J &$"3.%#3!9&' :0:;/7*24-' 711/0--03' 6+' 6.0' ;7-0'2 ''6.0' -003' 2*' 6.0' -,30' 2 ' 6.0' /71.0' " -! ' -6/7,+.6',*' 6.0' 7G,-' 2 ' 7' 0-.=' 7 ;4:0*J 23$-!')38&' -4; 0 ,16,5' 1 7*2 52*?0GJ "/)#2!'' /075.,*+' 62' 6.0' .,4:' ,* 0/,2/ ,

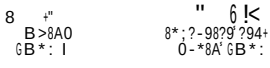
_' 4/*0/7' /;,5.,7' O2/:-9,2 3,7

.,-' -:7 ' 7:,=',-' *07/' 3/&'W&' D8.,5.'-00F' $' .7-' :7*=C7 ,*,6,0-' 8,6.' +9%&%'",#/''2'E ;46' 6.0-0' 3, 0/',*' 6.0,/' -67:0*-' 8.,5.' 7/0' .=12+=*24-' 7-' #8' /&&#:!3"'/' 6.0,/' 32/-7' -6= 0-' /!$'"8/$#87' 8,6.' 6.0' 1 750*67-' 6.0,/' 4*3,?,303' -6,+:7-' 7*3' 6.0,/' *2* -6/21.,2!760' /8)' 10*34 24-' -003-' B 9 '"/'#&' /'!/"7'" :0/,57*' +0*4-' 8,6.' 2*0' 710' -105,0-E "%!#2!##/',-' 7 -2' :0/,57*' 7*3' 3" &%#3!)#/' -,76,5 F 9" "/2' ' 12--0--' ,66 0 4-03' 62*,5' 1/210/6,0-' 340' 62' 7- 6/,*+0*6' 7*3' :4524-' 1/,*5,1 0-' 8,6.' 7' -:7 '>47*6,6=' 2 '?2 76, 0' 2,

' A5' 9&&#'9

2 ':"''5' .'$/!3#)' - ' &3 '$# '&' #8&'"$')' /$' $%"' ,/&'5' 3"' 38' $%"' $%"3/$ 3:'$%"'."#/8$%5' &3 '$# '&'%-.37-839&5'98#$')'<#$%'$%"' 7-83.%3"'' ? '9&9/!!-





&$#.4A/$'5 <#$%(E .!/"#'$/!.!/2'8$/& 2! /,'""-3"2/.&9!' " -!! /!,9K
#839& O 4 /!$'"8/$'
- .0/;75024-2/8223 +0*0/7 =5,:;,*+?0/=/7/0 =7/;2/0-50*6G -/8#/5
'/$% /88#/ 7 60/*760-2:06,:0--,:1 0 0*6,/0 2;03 2/17 :760-2:0H
6,:0-52:124*3,:17/,1,4*760J &$#.9!'& +0:,*760 76 6.0;7-0 2 6.0 106,2 0-/7/0 =
J $'8)"#!& 7G, 7/=7/,-,*+ /2:-60/,0 103,50 - O 8 ! ' ', :10/ 056 6./24+.
7//0-6 /0+4 7/J .')982!'& 4-47 = 280/03 2,*603 76 6.0 280/ 7*3 _4-47 =S
4/*,-.03 76 6.0 2,*6 8,6. 7 (1.= 24- 2/ 17/6,60 ,*?2 450 2 ! 1067 2,3
:2*21.= 24-J 64;0 4/502 760 2/64;4 7/-2:06,:0-?0/=-.2/6J ,:; % E 17/6,60 2/
17/6,60 7*3 -0/,760 6.0 2460/-0+:0*6--2:06,:0- .0/;75024-0>4,?7 0*6 62
7 57 =G 6.0 ,**0/:2/0 52 24/03 0>4,?7 0*6 62 7 52/2 7J 6./276 4-47 =5/28*03 ;=
2*0 2/:7*=-0/,0- 2 -4;4 760 !/ '8$& 7-83.%3"" 5=,*3/,5:2/0 2/0--0 2*H
+76,*+ -4112/6,*+ 6.0 1,-6, 7*3 -67:0*- - 4-47 =0>47 ,* *4:;0/ 62
6.0 _,**0/$ 10/,7*6.-0+:0*6-7*3 2112-,60 62 6.0: 2/?0/=/7/0 =7 60/*760 -2:0H
6,:0-324;0 6.0 *4:;0/ ,*-0/603 0,6.0/ 76 6.0 ;2662:2 6.0 10/,7*6. 2/ 76 6.0 ;7-0
2/621 2 6.0 +=*21.2/0 J :#!/ '8$& -4;4 760 2/ ,,2/:/00 2/ :2*730 1.24- 7*3

-.076.,*+' 6.U' + *21.2/0J ' ,*6/2/-0' 50 03' 4-G 7 =' ?0/-76, 0' 30.,-50*50'
2*+,643,*7 ' % ' : 2/0' 2/' 0-' -6,1,6760' ?0/=' /7/0 =' -0--, 0' 50 03' J -,= 0-'0>47

" ;
;9'?9C*'*;='+/0'C9+*?'GB*\I ;=8094 @B'*;='C?+

-1/073,*+'J + ' 5 7?760' 2/' 10 6760' -2:OH
6,:0-' -4; 2;03J' "# ' *4:0/24-' 7*7'
6/2124-' T -0/,760' 76675.03' 62' (E' 17/,067'
,*07/'1 750*67-';=' 2*+0/'2/'-.2/60/' 4*,5 0-'
0* 7/+03' ,*62' 7' 5414 0' 76' 6.0' 4:;,,54-'
0 ' 50 03' 7*' ,*30.,-50*6' ;0//=' 2/' 7'
571-4 0' 8,6.' (E' -0:, 1 750*6, 0/24-' ?7 ?0-'
' *4:0/24-J (" # ' 3, 7603' ' 7'

" " '
99=#'9;+89'*;='4@>'-98+4* A' 86?-98?9'?94+0;'0' 0-*8A'GB*:I
GB*:I

14 1=' 5414 , 2/:' 2/' -755760' 7/, J ' 5/4-675024-' 2?02 760' 07-, =' -017/7; 0' /2:'
6.0' :0:;/7*24-' 0*321 04/7' 8.,5.';07/-' 7' 2*+,643,*7'/71.0' " -! ' -6/7,+.6'
25541=,*+' 6.0' 7G,-' 2' 7' 0-.=' 326603' 7 ;4:0*J # ' 2,75024-' 76J #'
5= ,*3/,5'*07/'6.0'.,4:' 50*6/, 4+7

b 79' 0 0/ ;:' ?' +79' 4 *?? 4*+0;' 0' 0 D# ' B*=9' 08' +79' f 9;98*' *;'
+*8@B'.'1

!'6' " !6 5 0 280/-' 7 =G 64;0' 0 2*+760' 2;0-' 6/,7*+4 7/ -4;4 760
2/2*7' 7*3' 22/2 7' :0:;/7*24-' 67:0*-' '73*760' 62' 6.0' +=*21;2/0' 6=0-' (' /0:260' 76
6.0' ;7-0' 003-' 2;2*+' D 246.' :0/,57 F # # ': ! "

!'66' 2 3& M 5 02O0/-' E'X 2/2*7' -,:1 0' 2/' 324;0' 067 -' .0/;75024-'
6=0-' ' 2/' (E' 52**760' 76' 6.0' ;7-0' 003-' 766,-.' M (# ' , ' ! '
C ' G

!'666' K 5 0 280/-' ' 2/', ' 4*,-0G47' 10/,7*6.-' 2' 6.0' -0G0-' 7 ,90' 2/2*7'
-:7' 2/' $' 067 -' 4-47 =',*5 4303' ,*' 6.0' 57 =G 64;0' 2**056,?0' 2' 6.0' 7*6.0/-' 4-47 =
1/234503' D 3' O2/3F' M#(' !- "# '

!'6<' $! G 5 0 280,C' 4*,-0G47' 10/,7*6.' 2' 6.0' -0G0-' 7 ,90' 7 =G' ?0/=' -.2/6'
2/2 7' 57:17*4 760' (E ,3' 67:0*-',*-0/603' 2*' 6.0' 6./276' 2/' ;7-0' 2' 6.0' 52/2 7' D 246.'
/,57 F ' -

!'<' 2 G 5 0 280/-' 4*,-0G47' 2/' +' 7*3' 4*,-0G47',*' 6.0' -7:0',* 2/0-50*50'
10/,7*6.-' 2' 6.0' -0G0-' 3,--,:,7/' 2/2*7' $' 67:0*-' TB-0/,760',*-0/603' 2*' 6.0' 52/2 7 64;0'
- &,

;' ' 99' 9;='0' ##29",$$/2'/' C' 1 ;

' '30 !4--,04 1 7503 /&&#!3"'2" ,* 6.0 7 : , = 2 ' 9 "##@/2'$"5 8 .,5.' 6.0=' 711/275.' ,*' 6.0,/' 5 , : ;,*+ -60 :' 4/*,-.03 8,6.'60*3/, -'6.0,/ 7 60/*760 17 : ,42/?03 27?0-'324 ; 0 10/,7*6.' 7*3 2*0 50 03' 2??/= 8,6.'17/,067'1 750*676,2*J ,* 733,6,2* 62 8 .,5.' -2 : 0 +0*0/7 7/0 3,5 ,*24-' D+3)'2'8'E ;46 ,* 6.0 2??/=' ,-',* 0/,2/'6.0 7*6.0/-' 7/0 0G6/2/-2' 4-47 = /034503 62'%6 : C '7*3 -=*+0*0-,24-' 6.0 0 : ;/=2',-'0G7 ;4 : ,*24-'6.0 07?0-'0G76,14 760'7*3 6.0 62*3/, 7 7/0 27?,C ' 7/,-,*+' /2 :' 7 ;/7*5.' !2,*03 62 6.0 -60 :' 7//0-603 *07/ 6.0 12,*6 2'3017/64/0'7*3 56P/+23 ,* 6.0 106,2 0 2' 6.0 07' 8 .,5.' ,6' ;07/-' 2 :0)27-0U .7?0' ,90 8&&#:#3"'W85 7 5 , : ;,*+ -60 :' 17 : ,*0/?03 07?0-'7 2*0 50 03 2??/= 8,6.' 17/,067'1 750*676,2*'*4 : 0/24-'10*34 24-'7*3 7*76/212,,-'2?4 0-'6.0 /4,6 7 571-4 0 2/' ;0//='7*3 7 -6/7,+.6 0'7 ;4 : ,*24-'0 : ;/=2 J ;46 6.0=' 87*6 -6,14 0-'7*3 60*3/, -'7*3 6.0 1 750*67-' 25541='6.0',*60/-1750-'7*3 *26 6.0 : ,33 0 2'6.0 ?7 ?0-'2'6.0 /4,6' /&&# #"'2 '.7?0 7* 7 ,,,,6= 8,6.' !3 / 48 5 24*303 2* 6.0 -0/,760 10/,7*6.'6.0 50 03 2??/='17/,067'1 750*676,2*'-6= 0-'0>47 ,*+' 6.0 1 750*67-' ,*' *4 : ;0/'6.0 ;0//= 2 571-4 0'7 ;4 : ,*24-' -003'7*3 6.0 7 60/*760 -6,14 760 07?0-J ;46 ,*' !!3 /!#8'23 6.0 2??/=',-' 4-47 =',* 0/,2/'7*3 6.0 -67 : 0*-',*-0/603 .,+.'41 6.0 57 =G 64 ;0 J /./-/22"'' 7 -2 711/275.' /&&#:!3"''' ,* 6.0,/ 17 : ,*0/?03 07?0-'6.0,/ /00 4-47 = 50 53 2??/= 8,6.' 17/,067' 1 752*676,2*'6.0,/ 0-.= /4,6'7*3 6.0,/7/, 760 -003-J ;46 6.0=' 7/0 -017/7603 ;= ;0,*+ 3,5 ,*24- _ /,;0- +3)'222/'7*3 2%/"#'2'' 7/0 ;26.' 3,5 ,*24-S' ;= 6.0 ,*-0/6,2* 2'6.0 -67 : 0*-'6.0 /73,76,*+ -4; -DI--, 0 -6,+ : 7' "5 /;;#:!3" ' : 2-6 = ,*.7;,6 6.0 6/21,57' /0+,2*-' 2'6.0 08 2/ 3 J 6.0=' 7/0 ,*40.' /7/0/ ,* -,7' 4-6/7,7' 7*3 6/21,57' /,57' 8.0/0 80 ,*3 '/$% /88#/5 7 -./4;' 8,6 ,246 6043/ -' .0 14 1=' 7/,'2' /$&#:#$-" '7*3 /2&38#/ ,-'4-03 ,* : 0/,57 ,*' 6.0 1/017/76,2*'2'522 ,*+' 3/,*9-' .0 280/-'7*3 /4,6-' 2' /&&#:#/"/ %"/' _57 03 465.: 7*#-' 7437*4 : S 7/0 1/0-5/,;03 ,*' 6.0 *6, 0-' 2/ 6.0,/ *7/526,5 1/210/6,0-' 'M9/)"/879!/"#& D6.0 /0*73, 7 ,-'?7 403 ,90 6.0 7 ,03 -105,0-' ,g 6.0 /0 /0-.,*+' 14 1' 2',6-' -003-' ;46 ,6-' /226 ,-'?0/='12,-2*24-J ,'73 : ,*,-60/03 ,*' 7 - : 7 '32-0 ,6 -' 7 ?0/ : , 4+0 ' ,90 : 7*=' 2'6.0 26.0/ -105,0-' C

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0;9 H 49 9= *;+798 08 0 ;08B* 49 9= ?+*B9;?: :#! / '8$& ?708+ +7 4F 899 08 B0;*=9 C70@?# 40;;94+ -9?0B9+ B9?C80 0;:9= >9A0;= +79 *;+798?/8$%'"& 95+808?9 49 ?@?@* A ?;@0@?# *=;*+9 +0 +79 40;;94+ -9 8*89 A ?+8* :7+ 08 *8479=# *;= 0C9;;: 0;:+@=;* A 08 4 84@ *8 A % ;98 08# @?@* A 40BC0?9= 0 M 4*8C9 ? G8*89 A HI# 407989;+ / +7 C*8 9+* C *49;+*? 89 959= +0 / *8=? +79 4 84@B 989;49 &$-!' +98B ;* # ?708+ = 08 C*8+ +9 &$#7 /& +7 4F *B9 *+9 0>9= 08 8 ;:9=' 3(9!'& ?0 +*8A 08 ;@B980@?# ?9-98* ?98 *+9 9894 C9;=@ 0@? 08 708 <0;+* # *;*+80C0@? & 9?7A G8*89 A =8AI# @?@* A ;=97 ?49;+ ?0B9+ B9? 0C9;;:9 *?+ 4* A *+ +79 >*?9 >A +79 ?9C*8*+ 0;0 +79 C9=@;4 9 G 2,/!#9 5 08 *+ +79 +0C >A +79 8* ?;:0 *;0C984@ @B G 9::/ 5 3(%- 889:@ *8 8@C+@89 G+3 3")#2/ 5 ?0B9+ B9? =97 ?49; ;M -* -9?# 08 4 84@B?4 ?? B 2$#83&$' / ;@B980@?# 708 <0;+* # 08 9894 *+ +79 >0++0B 0 +79 49 B 2%#832-&$#&5 ,3%"/ 5 8*89 A 0;9 ?;:9 C9;=@ 0@? B #2-3&5 '2%#9 b08 +/0# 0;9 C9;=@ 0@? *;= 0;9 9894 B /.%/832/".9 4`5 @?@* A 40BC89??9=# ?9?? 9 08 ?708+ A @;4 9= $'&$/' B9B>8*;0@? 48@?+*490@? 08 708;A# 0 +9; : 8+ / +7 *+7 4F >08=98# 8*89 A ;9*8 *;= ?*B*80 = /!,9 '8 " - ?+8* :7+ 23$-!')38& 0 *490@?# -9 ;9= "/)#2!' ?708+# 89*47 ;: +0 +79 7 @B# 49;+8 @:* .!9 9!' / +7 = ?+ ;4+ 9*-9?

b 79 0 0/ ;: ? +79 B0?+ 8949;+ 4 *?? 4*+ 0; 0 +79 929",#$/2'2'5 >A 9;+7*B *;= 00F98 # ; +79 2 9;98* *;+*8@B .)1

*4@ / D # <9) 1 +*B9;?@?@* A M# 899 08 40;;*+9 *;+798 49 ? ?+8* :7+ 08 4@8-9= 08 95@0@? -*8A / +7 M# 8*89 A N C *49;+*? 0-@9? 708 <0;+* C + (M # # M + 2 "((M$ M 5 $! +" G

! E.EE66' * = 1 +*B9;? M# 899 *;+798 49 ? 95@0@? -*8A M 49 9= 0-@9? H ; 9*47 49 # 9894 08 *?49;= ;: 80B +79 >*?9 ! U4

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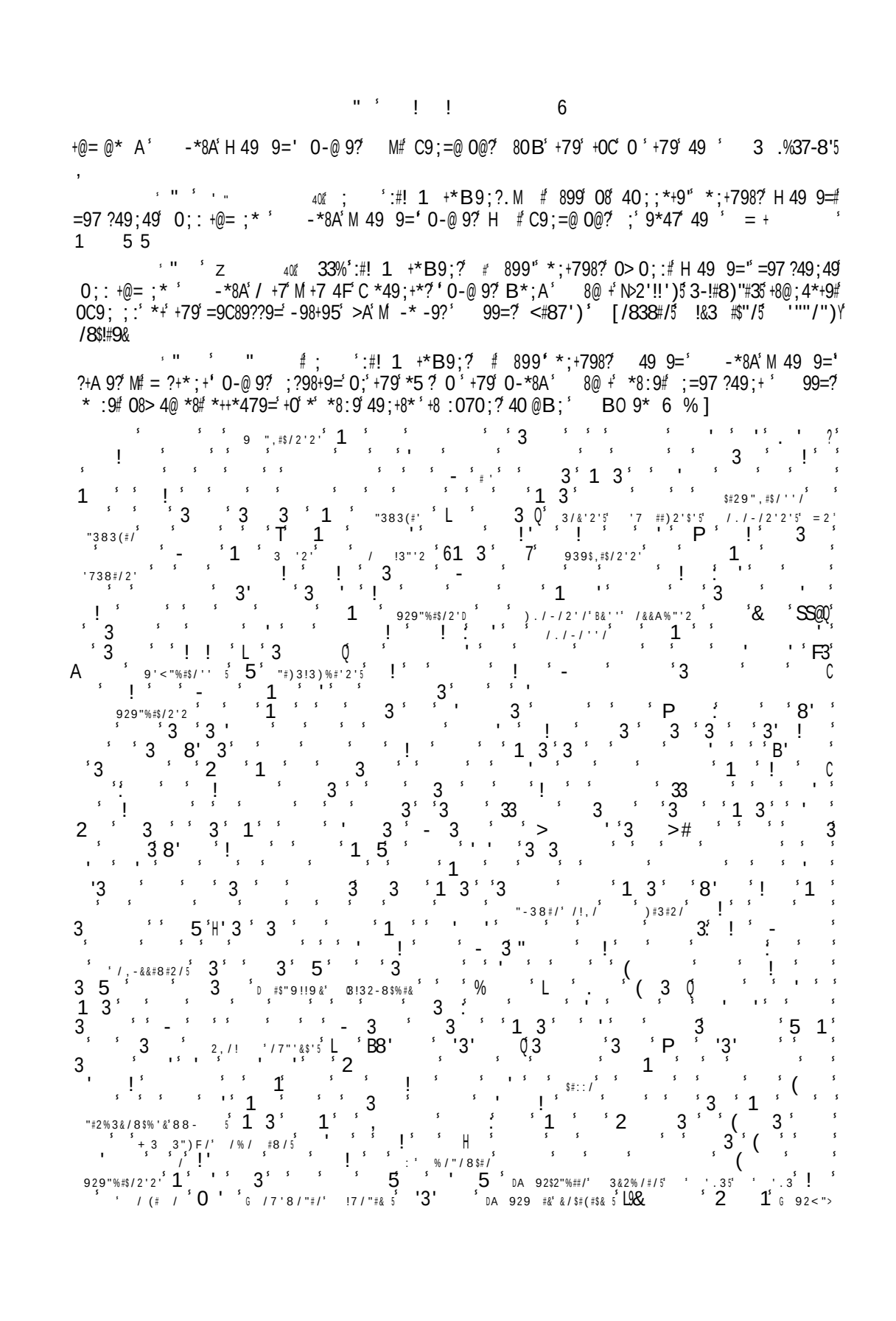

%#$/ 3 :2"/ Q P 2 D #$"#$$9& (9!-/"#& 2 D 929 #& +)3 (3 (3 3 3' ! %' 8' (! 1 3' 1 1 F P 2 ! ! 3 1 'H' 3 '3' - 1 3 ! 3 3 5 1 0 5 L P 0 5 939 #/ 879"#/ A 8' 8#& 19)/# 3' ! '5 1 3 3 3 3 B 3 3 - '3 1 3 E 5 0 3 3 ? '!:/#"#/'.')/$/5 1 1 % (3 3' ! 2 3 1 - 1 3 3 L +322#)'8$/!#& P (3 Q (3' ! 929",#$/''2" 5 ! /7'8/"#/ '3 '' 3 "#2%3&/8$%'&'23!9,"#8/5 8' (3 3 1 3 5 - P $#::/5 1 3 '3 ! 3 (L %" ? % '8#8> 2/&/'2''#:'"/5 3 (P 0 1 - 3 3 1 3 ' 2/8$%3&#2-3&5 5 3 ' # 5 3 B ' (3 '3 1 '(F/' 3 ' ! '3 F3 $%)

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* 38WS2#39&' = 89 '"39&' '?$"3"&' # #8:'"#3"5 [>2'!!'))5 /8->3(9) < #$%' 2'!!& <#87')' 38& $%"5 %/2%& /8)' M !329!#2#)/!' (/!('&' = 89 '"39&E /!,9 '8'&2/8$-' 3" # &$"'/#7%$5 / % < / +7' *' 9?7D' +@>980@?' 87 <0B9# 08' - - 08' - / +7' / *+98A' *4 =@ 0@?'D@ @9' = * +98;*+9 A' >8*;479=# 4A ;=8 4# ?/0 9;'*+' +79' ;0=9?# D0 ;+9=' M * +98;*+9# ?0B9+ B9?' = ?+ 470@?# 8*89 A' ?@> /708 9=# C9+ 0 9=# ? BC 9# @?@* A'C* B '08'C9 +*+9 '08'C9;; ;98-9=# ? =9?' @?@* A'@;9R@* # 408=*+9' *+' +79' >*?9# =9;+ 4@ *+9# +99+7' 0 +9;' B@480;*+9# 8*89 A' 9;+ 89' *;=' ;9*8 *;490 *+9# ?0B9+ B9?' -*8 0@? A'4@+# 0 =9=' / +7 ;' +79' ?+ C@ 9?' >9 089' 95C*;?0;# 7* 8?' @?@* A' ? BC 9# 8*89 A' ?+9 *+9# ?4*++989=' 0-98' +79' @CC98' ?@8 *49# *;=' C8 ;4 C* A' ? +@*+9=' 0;' +79' ;98-9?' 0 '+79' 0/98' ?@8 *49" &$#.9!'& 899# 0 +9;' 4*=@40@?' * 'B0;094 0@?# 0;' *5 *8A'C9=@;4 9?# >8*;47 ;:' ;+0' 4AB9?# S' ;' +79' B == 9# ' *+' +79' 4 84@BE 989;49# @8; ?79='>9 0/'+79 ;7059?49;49' / +7' B9B>8*;0@?' >8*4+? ' * ' : 'C9+* 0 =# / +7' ?98 *+9' 9* 9+?# /7 47' B*A' 79' 40;? =989=' *?' 4* A5' *;=' 4080 *" 0@+98' 9* 9+?' # 0CC0? +9# -* -*+9' ;' >@=" ;;98' @?@* A' # 0 =9=' ;' >@=# * +98;*+9' / +7' +79' 0@+98# ?0B9+ B9?' M O#' 08' L% = ';@B980@?# ;' +79' 49;+89' 0' +79' 0/98" :#!/ '8$& = ?+ ;4+# 08' -*8 0@? A' B0;*=9 C70@?# 40;+ ;@0@?' / +7' +79' 40;;94+ -9' /8$%'"& 95+808?9' b08' =97 ?4 ;:' *+98* A]# 49 9=# 49 ?' *=;*+9' +0' +79' 40;;94+ -9' *;=' ?9C*8*+9=' >A' +# 0C9;;:' >A' \' 0;: +@= ;*' ? +?# 08' 8*89 A' >A' +98B ;*'C089?' @= B9;+*8A' "' L% * ' \')' 0>9?' 0' .'"#/-)% G?9C*?' *;=' C9+* ?I';9*8 A' * F9' ;' 08B'*;=' 40 0@8" ?0B9+ B9?' # -* -*+9' ;' >@=# *;=' 0CC0? +9" ?0B9+ B9?' # 0 '/7 47' H '*89' ;;98' *;=' ?B* 98" ?0B9+ B9?' N # B>8 4*+9' ;' >@=' # "' ; 98 08# @?@* A' = - =9=' ;+0' 49 ?' 40889?C0;= ;:' +0' +79' ?+A 9?# *;=

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8,*+03' 2*' 6.0' .759' /7/0 =' 7 : 2-6' 50 03' G+ 'J#'"' /I ' .!/2'8$/&' 25541=,*+' 6.0',**0/' 7*+ 0' 2 ' 6.0' 50 -' 6.,59' -,*+ 0' 2/' T 17/6,60' /7/0 =' -0 : , 17/,067' D+ 'J#'"' /I ' &$-!'& 4-47 =' (' -.2/6' 6.,59' T ,3' 2/' 1 4/,17/6,60J &$#7 /&' 4-47 =' 7//7*+03' 2*' 6.0' -6= 7,C=' ;/7*5.0-',*' 0G424-' 2/'-1,/7' ;7*3-'4*,603' 76' 6.0' ;7-0' 246-,30J 3(9!'&?0/=' *4 : 0/24-' 7*76/2124-' (' 7' 571-4 0' /7/0 =' 7' ;0//=' D+ 'J#'"' / ' . ' (' D/7/0 =' T % E F' 50 03' 8,6.' 254 ,5,37' ?7 ?0-' ;07/,*+' 2*' 6.0,/' 50*6/0' : 0 : ;/7*24-' -0167' -017/7603' /2 :' 6.0' -0 : ,*, 0/24-' 7G,-' 7*3' 52.0/0*6' ;0 28' 7*3' 7;2?0' = ' : ,*460' /7/0 =' 4*,5 03' 2;2?2,3' + 2;2-0' 0 ,1-2,3' 2/' -4; 5= ,*3/,5J $'&$/' /06,54 760' 2?02 760' 5/4-675024-J '8)3.!'9"/' -4; 0-.=J /!,9 '8' -57*6=' 2/' $' -6/7,+.6' 7G, 0J 23$-!')38& ?0/=' -.2/6J "/)#2!'' 0 2*+7603' 6245.,*+' 6.0' ., 4 : ' 50*6/,H 1067

7-17/=7' P' 0+2*,7' 0M,0/07' _ 0+2*,0 7 ! _ , 0;/7*3,7

.0' 7 ,*,6,0-' 2 ' '738#2<' ' 7/0' ?0/=' 4*50/67,*' 7*3' 6.0,/' 1 750' .7-' 6.0/0 2/0' ;00*' /0107603 =' 5.7*+03' '6.0' 7 : , ,0-' 8,6.' 8.,5.' 6.0=' .7?0' -2 : 0' 7 ,*,6=' ,6' : 7=' ;0' -4 ,5,0*6' 62' : 0*6,2*' 92$$",#$/2'/' 7*3' 1/$#&2'/' .0' 7660/' .7?0' ,90' '7 #/2' 5' 3,5 ,*24-' 280/-'7' 12 =7*3/24-' 7*3/205,4 :' 8,6.' 0G6/2/-0' 7*3' 73*760' 7*6.0/-'-0?0/7' -6= 0-' 2112-,60' 62' 6.0' -017 -' 8.0*' 6.0=' 7/0',-2 : 0/24-' 7*3' 4/*,-.03C 8,6.' -6,+' : 76,5' 171, -0' 2*' 6.0,/' ,**0/' 750' 7*' ,* 0/,2/' 2?7/=' D8,6.' 17/,067' 1 750*676,2*' ,*' + '##'"') 5' *4 : 0/24-' 7*76/2124-' 2?4 0-' 7' 571-4 7/' /4,6J -4. 0G7 ;4 : ,*24-' -003-' 7' -6/7,+.6' 5= ,*3/,2' 7G, 0' 0 : ;/=2' 8,6.' ?0/=' -.2/6' 526= 032*-J .46' ,*' 1/$#&2' 5' ;0-,30-' 6.0' 3, 0/0*6' .7;,6' 6.0' 07?0-' 7/0' 4-47 =' , : 17/,1,**760' 7*3' 0G-6,14 760J 6.0' ;/7*5.0-' 7/0' *26' 2,*C603' 7*3' 9*266=J 6.0' 571-4 0' ,-' 7 87=-' 00 03' +71,*+' 76' 6.0' 621' "5' '738#/2'2'A',*.7;,6' 7 : 2-6' 0G5 4-,?0 =' ,*60/6/21,57' /0+,2*-J *0?0/6.0 0--' 2*0' -105,0-' /2 :' 6.0' *2/6.' 2' .,*7' '738#/')#&23!3"5 -67*3-' 24/' 8,*60/' .0=' 7/0' : 2/0' /0>40*6',*' : 0/,57' 6.7*',*' -,7' : 45.' /7/0/' ,*' /,57' _ : 7*=' .7?0' 2' 760' ;00*' 3,-52?0/03',*' 6/21,57' /,57S' 7*3' .,6.0/62' 4*9*28*',*' 4-6/7,7' '> 738#/2'2' 52*67,*' 2G7 ,5' 75,3' 7*3' .7?0' 6.0' 1/210/6,0-' 2' 2//0' 8.,5.' *7 : 0',-' +,?0*' 62' 6.0 :' ,*' 6.0' *6, 0-' : '-2 : 0' -1020- ,-C4*, 0(CO6 CC7- **+0* CC7*3V=, 6 O(67*50-' 0?0/7' : 0/,57*' 7*3' -,76,5' -105,0-' 7/0' /7*903' 7 : 2*+' /0 /0-.,*+' 7*6,;, ,24-' 7*3' 7*6, -52/.,,6,5' : 03,5,*0-' '738#/' /!/%/'"#2/' 7*3' $9%'"3&/' _7*3' 26.0/' *3,7*' -105,0-' 7/0' 03,; 0' .0' ;,660/' /226' 2' '$3 $3&/' 7*3' 7"/8)#:!3"/',-' 52* 30/03' ;=' 6.0' 0/4H ?,7*-' 62' ;0' 7' 1280/ 4' 7-6/,*+0*6' 2 : 0' 0G,57*' 0+2*,7-' .7?0#7 3 7C ,5 #2 2 ; 4,03 *- ,' 4 26,-' 7,-07-0-' 7*=' 0+ 60-' 7/0' 2/*7 : 0*67' .26.24-0' 1 7*6-' 7-' 5' #82/ /$/5&' .'" !3"'8&5 /8#2/$/5' 4 322 '/5 '?5':93!#&#3#)'&5)88/%/'"#8/5%'"/2!'#:3!#/5/"7-"3&$#7 /5J',"#8/5)#('"&#:3!#/5"5' ')#&23!3"',-' 7' -105,0-' /2 :' .,*7' 6.0' ;/7*5.0-' 2' 8.,5.' 7/0' 6,*603' 8,6.' /03' 7;2?0' 075.' 2,*6' 7*3' 6.0' 07?0-' 2' 8.,5.' 7/0' +/00*' 7;2?0' 7*3' 37/9' /03' ;0 28J ,6-' 64;0/-' /0-,-6' 6.0' : 2-6' -0?0/0' 8,*60/-' O 0' .7?0' *26,503' D17+0' &F' 6.0' ?,67' 0*0/+=' 2' 6.0' 0+2*,7-

_ .0' 3,-52?0/=' 2' #!!',"/8)#/5' 7' 0+2*,75024-' +0*4-',*' 6.0' 7*38,5.' -7*3-' .7-' 0*7;03' /2 0--2/' ,?0/' 62' -066 0' 6.0' 7 ,*,6,0-' 2' '738#/2'2'5' 8.,5.' 7/0' 4*324;603 =' 5 2-0' 62' /38:"/7' ' *26.0/' /050*6 =' 3,-52?0/03' 0+2*,75024-' +0*4-' G '738#'!!) 5' 7' *76,?0' 2' 08' /7*737'.7-' 7' -,:1 0' +7 : 21.= 24-' 57 : 17' *4 760' 10/,7*6.' 7*3' 30 ,*,60' -67 : 0*-S

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< ' 2/' %' M ' 7 60/*760',:17/,1,**760' 2/' 17 :,*0/?03' 7*3' -4;' ,*0>4, 760/7' 0G-6,14 760' * ' 4-47 =' 3,205,24-' -2 : 06,:0-' +' 2/' 12 =+7 : 24-' +/00*,-.' -:7 ' ,*' 7' 17*,5 0' 2/' -1,5760' P/750 : 0' * ' [0' -$' (Y ,3' 2 ' $' = ' (E',*-0/603' 2*' 6.0' 57 =GJ' /8$%'"&' T 50 03' 32/-, ,G03' 30.,-50*50' 2*+,643,*7' 0G6/2/-0 P' * ' N 7*3' ('@ -$' 8,6.' 7' -410/,2/' (&' 6226.03' ,:;' 2 ' $' = ',*' 6.0' +' 0>47' 7*3' 7 60/*760' 62' 6.0' 57 =5,*7

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6006 ,' D "#2'"/&$'&F J /8$%'"&' 0G6/2/-0' 30 -50*50' 2*+,643,*7 ' # -"' ,*H 0/,2/' 00 03' 4-47 =' +71,*+' 76' 6.0' 621' 8,6.'17/,067'1 750*67-' 7 60/*76,*+' 8,6.'6.0'57 =G 2;0-'' &$-!'&' 2112-,60' 62' 6.0' 57 =G 2;0-' -,:1 0' -6,+:76, 0/24-' 8,6.,*' 6.0' 621' 2/' ,3' 8,6.' ,*07/' ;/7*5.0-' -6,+:76, 0G#24-' 7 2*+' 6.0,/' ,**0/' 750J 3(9!'&' *4:0/24-' -4;

' / 99=#' / 70 9'*;='4@+' -98+ 4* A'GB*:I

F 8*;?-98?9'?94+ 0;'0 '0-*8A#' ?70/ ;:'+79'C*8 9+*'B*;A' '0-@ 9='C *49;+*?'GB*:I

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1 /$#&2'2&' . 7?0' 7' 50/67,*' 7 ,*,6=' 8 ,6 .' '7 #/2S2'' D8 . ,5 .' -00F' 2 : 0' ; 267*,-6-' . 7?0' 1 7503' 6 . 0 : ' *07/' 3/&'2'' 2*' 75524*6' 2 '6 . 0 ,/' 01,+=*=' 7*3' 6 . 0' 7//7*+0 : 0*6' 2 '6 . 0' 1 750*67-J' 26 . 0/-' *07/' '&') /#' 5' 2*' 75524*6' 2 '6 . 0' 2*0 5Q 03' 2?7/=' +71,*+' 76' 6 . 0' 621' /2 : ' 6 . 0' ; 43 '7*3' 6 . 0' 17/,067 ' 1 750*67 2*' ; 46' 6 . 0/0' 7/0' *2' 26 . 0/' 12,*6-' 2 ' 7 ,*,6=' . 0' +0*0/7' 2 '6 . ,-' ,66 0' 2/30/' 7/0' -,*+4 7/ =' -57660/03' 2?0/' 6 . 0' + 2 ; 0J' 1/$#&2/' ,* . 7 ; ,6-' O 0-6' -,7' 7*3' 017 J "#2 '"/&$'&' _8 . ,5 .' ,-' /$#&2/' ,6-0 5' ,-' : 06' 8 ,6 .' ,*' 7 , 2/*,7 ' '$"/""#'!'&',-' 7' 7/+0' 6/00' 2 '!7?7' 7*3' *3,7 ' 7*3' 5 2 : 0 "-' ,-' 7 7=7* ' . 0' . 0/ ; 7+0' 3:' /$#&2/' 2/88/%#8/' ,-' *74-024-' 14/+76,?0' 7*3' 0 : 06,5J ,6',-' /0>40*6 =' 4-03' ,*' 67 =' 2/' ,*60/ : ,660*6' 0?0/-' 7*3' 3,-2/30/-' 2 '6 . 0' -62 : 75 . ' . 0' /226' 52*67,*-' 7' 1054 ,7/' -67/5 .' *7 : 03' ; =' 5 . 0 : ,-6-') /$#&)8 ' ' 26 . ,*+' ,-' . *28*' 2 '6 . 0' 1/210/6,0-' 2 ' '$"/ '!'&

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A /2! 7/0 7 : 0/,57*J 7 + .&/!#& .7- .280?0/ /050*6 = ;00* 3,-52?0/03 2* ;0 80-6 527-6 2 /,57 _7*3 ,* 0= 2*S .0=7/00-105,7 =6/21,57 ; 46 :7*=7/0 24*3 ;0=2*3 6.0 6/21,57 M2*0 7*3 7- 7/ *2/6.7-%Ym 7*3 -246.62 &$mJ 6.0=7;24*3 ,* 0G7- 0G,52 7*3 7 , 2/*,7 6 ,- ,* 6.0 2*2/7 N 6.0 0*?,/2* 2 , 7 6.76 80 ,*3 6.0 : 2-6+,+7*6,5 756,G '"'9& 7#7/8$ #/ 5 /0-0 : ; ,*+ 57*30 7;/7 2 <$ 62 <$ 006 .,+.

.9##$#/ (9!7/"#& ,- *28 *764/7 ,M03 6./24+.246 6.0 03,60//7*07*/0+,2* 8.0/0 I,6- /4,6 ,- 0760* 4*30/ 6.0 *7 :0 2 *3,7* ,+J ,6- 67-60 /057 - 6.76 2 7 14 :19,* 7*3 ,6- 166,1 52*67,*- 7 +0 76,*24- 1/,*5,1 0 7*7 2+24- 62 +4 : 6/7+757*6. .0 ;0//,0- 2 -0?0/7 /2$ 760 -4;6P75,3 7*3 .0*50 /0 /0-.,*+ X7*6,;,,24- 7*3 7*6,-52/;46,5 .0 :,9= 4,50 2 2 :0 -105,0- ,- 73 :,*,-60/03 ,* :0/,57 2/ ,*60-6,*7 82/:- 305256,2* 2 6.0 280/- 2 + !72/2$ 23 9+& ,- 7 /014603 /0,,,03= 2/ -=1.,,3 .0 /4,6 2 .98$#/ (9!7/"#& ,- 3,4/06,5 7*3 52 24/- 4/,*0 5 7 3001 /03J ,6- 2,*6- 7/0 711 ,03 7- 7 621,5N 62 .7-60* 6.0 :764/,* 2 64 :24/- 6 ,- 2* 6.,- -105,0- 7*3 ,6- 52*+0*0/- 9*26/* 7- /,59 = 07/ 7*3 54 6,?7603 ,* 0G,52 7*3 6.0 7*7/,0- 6.76 6.0 25.,*07 ,*-056 ,?0- 7* .0:,160/24- ,*-056 :45. 0:1 2=03 ,* 6.0 7/6- ,* 6.0 52 :12-,6,2* 2 57/:,*0 2/,:- * 790 7*3 7 3=0 57 03 25.,*07 /03

_ **47 2/ 10/0**,7 "(! 4 /7/0 = & 4 8,6 2 6 * 8,2/ 03 7*3 9*26603 ;/7*3,0- 2112-,60 7 60/*760 2/ ,* 7 -0 8;2/ - 0*6,/0 / 8,6.5 7/6, 7+,*2*- :7/+,*- 7*3 6206;J &$#:#)' $ 2/ -57/,2*- 0 >J"" Y 4-47 = 5=622-0 /7/0 = 4*,-0G47 /0+4 7/ ./ /00 2/ 73*760 62 6;0 2?7/= % E 2;03 2/ 3,?,303 10/-,-60*6 ,:;/,5760 ,* ;43 2 $ 2/ - :7 7*3 8.,60 7/+0 ,* + '&' ,"-)8 $%' 9 - 10/,+=*24- 7/0/0 = .=12+=*24- 0>47 ,* 4:;0/ 62 7*3 112-,60 6.0 -017 - 2/ :2/0 *4:0/24- 7*3 -57660/03 2/ 52:;,*03 ,* 7-5,5 0-J :#!/ '8$& /00 2/ 52**760 J /8$%'"& 2;2*+ 50,03 30.,-50*50 2*+,643,*7 1 2/ 7**4 7/ / 1/234503 ,*62 -67:,*230- % ! 4-47 = /00 T 22 50 03 /7/0 = 50 03J &$-!'& 7- :7*= 7- 6.0 2'!!&5 /00 2/ 52**760 4-47 = -4;4 760 7*3 171, 2-0 2* 6.0 ,**0/ -4/ 750 3(9!'& -2,67/= ,* 6.0 50 - 7*3 ;7-7 2/ *4:0/24- 7*3 ,*-0/603 2* 6.0 ,**0/ 7*+ 0- 2 6.0 50 - 7:1.,6G2124- o 7 :0:;/7*24- 2/ .7/3 71-4 0 2/ 75.0*0 2/ 3/410 2/ -017/76,*+ ,*62 46/,5 0- 2/ 5255, ! " -2,67/= 2/ *4:0/24- /0*, 2/,* 2?2,3 + 2;2-0 2/ 2;2?2,3J $'&$/ :0:;/7*24- 2/ 5/4-675 24- .,4:760/7 2/ /7/0 = 75,7 /!,9 '8 -57*6= 2/ 521,24- 7/,*75024- /7/0 = 0-.= " - " 54/?03 /24*3 6.0 7;4:0* 60/060 23$-!')38& *7//28 ,*54:;0*6J "/)#2!' 60/060

= ,C ,F B 7=G 73*760 62 6.0 2?7/= 07?0- 0G-6,14 760 +'&' Q ,"-/8$%2 # #5 '$"/738#/

! ! 66 $ * 5 7=G 64;0 :2/0 2/ 0- 0 2*+760 /00 67:0*- 10/,+=*24- ,*-0/603 2* 6.0 57=G 64;0 /7/0 = -4; .=12+=*24- /4,6 571-4 7/ #J338 /$'8#/ '&9(#9 "#/8$%' /5 "5

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¢ _ .7?0 ,*6/234503 6.,- 2/30/ .0/0 62 -.28 6.0 3,-6/,;46,2* 2 6.0 +0*0/7 7321603 ,* 6.0 I 0*0/7 7*67/4 : # ;468.,5. 7/0?7/,24- =3,-12-03 ;= ;267*,-6-J ,6 ,*5 430- : 2-6 2 6.0 527 05 2 !4--,04 7- 7 -2 +'&' ,"-/8$%& '(#5 *5, D1 % TF 3"!9!/3 $ 5 *3 ,* 17/6 D1 T<YF '$"/738#' 2 5 ,*3 D1 %<,F 7*3 + 3!!97#8 '/5 ,*3 D1 T< 4 5 " :

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-6.4-52*-6,64603!,52500L7/0,*60/:03,760;0680 0*/"-3.%-!% 5 3"$9!/8D 7*3/"38-$%#'2'5 7*3,*3003 2/:2*07++/0+760 2/30/8,6.6.0:6 3, 0/-/2:/"-3.%-!!'22,*6,0,,52 50 03 2?7/=4-47 =7 60/*760 07?0-7*3 7;-0*50 2 1067 -J /2:3 9!/''2",*6.0*0?0/T -517 24-57 =G 7*3 6.0T#22 50 03 2?7/=J 7*3 /2:/:38-2%#'2",*.7;,6T 2;50 03 2?7/=-,:1 0-6,+:7 7*3 30.,-50*50 2 6.0571-4 0 #23#)'/7 -2 /7*9 *07/ %-$3!/'2'$"7*3 3!--38''' -7 8.2 0 6.0=:7=.0 /0+7/303 7-6.0 10/,+=*24-:7*= 50 03 /01/0-0*676,?0-2 6.2-0 2/30/-

2-6 2 6.0 #23#)'2" 7/0 8003-2 3/=.26 /0+,2*-6./24+.246 6.0 + 2;0J 6.0,/1/210/6,0-7/0 4*,:12/67*6 B 1

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.&9.'"#3" 2 /8) - #8):#8#$'5 '.#7-839& % &'('"/!> ''!!')5 <#$%& !#8'/" ./"#'$/!.!/2'8$/&5 13229.-#87 $%" ,3$$3 3:$%" 2'!!&5)'."'&&')5 /8->(/!(') 89 '"39& 0-! 29"(') + :/"#8/2'39& -4; 8223=2/7/0=.0/;75024-2/ 0-.= 2112-,60 2/ 7 60/*760 0-.=1 7*0 2/ 5=,43/,0 2/ 6/,+2*2?,-0G-6,14 760 0 8 EJ/0+4 7/7G, 7/= 2/ 60/:,*7 ,* 2/0-50*50 ?7/,24- +0*0/7 =210*,*+ 6287/3- *22*-2 :06,:0- ,* 6.0 0?0*,*+ +2 3 -7 /2*14/1 0 ?,2 06 1,*;2/ 8.,60 .-410/,2/E D/7/0 = F 17/6,60 -0+*60*6- .0/;75024- 07 =2/ -0:,-57/,24- 4-47 =4*0>47 ,:;/,H 5760 2 *4:0/24- ,*-0/603 2* 6.0 57 =G 4-47 =:7*= -0/,760 ,*07/

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: 7/50+50*6' 2/' 30 ,>40-50*6' , : ; /,5760' ,*' ;43' - ' ,*30 ,*,60' : 7*= -0/,760' '
:#!/ '8$&' -4;4 760' 2/' -0675024-' *0>47' /00' 2/' 4*,603' 76' 6.0' ; 7 - 0 /8$%'8&'
,*6/2/-0' T 50 03' 2?2,3' ?0/-76, 0' 30 ,,-50*00' 2*+,643,*7' % '% T$'52 ,0/,*+'
A,*62' 7*' ,* 0/,2/' 2?7/=' % T$ 50 03' ?0*6/7' -464/0' /00' -410/,2/J .!/2'8$/&4 ,*076'
17/,067' 25541=,*+'6;0' ;2662 : ' 2' 075;' 50 J &$#7 /&' % T$' 5/,-6760' 5/28*,*+' 6.0'
C 2/7' 7G,-J3(9!'& *4 : 0/24-' -0?0/7 -0/,760' ,G03' ;=' 7' ?0*6/7' , 4 :'62' 2*+' 4*,2 0-'
' 76' ,/-6' 0-.=C6.0*' 8223=' 7*3' 3/=' 621' 6/4*5760' 210*,*+' 7 2*+' 6.0' -6,+'
: 76,5C 5/0-6-' ;=' 6.0' 50*6/, 4+7' /7,-,*+' 2' 6.0' 6.,59' 52/,75024-' 01,57/1' 7-' ,6'
-017/760-' /2 :' 6.0' 0*3257/1' 8.,5.' 10/-,-6' 4*30/' 6.0' 2/ :' 2' +0 :,*760' 5.7/675024-'
6/,7*+4 7/' -0+ : 0*6-'# 9' *4 : 0/24-E' $'&$/' 5/4-675024-' -2 6' 2/' +/7*4 7/' /!,9 '8'
7/,*75024-' " - ! 1 '10/,1.0/,5' 32/-7' 54/?03' 2/' .22903' ?2 4 :,*24-' ' 23$-!')38&'
2?2,3' 2/' 2; 2*+'&"/)#2!''5=,*3/,2

P 0-0 : ; /=7*6.0 : 4 :

+'&' %"- $%' ' '711/275.' 3/$'&',*'6.0' 12 =1067 24-'7*3' 01,+=*24-'/2/2 7'7*3',6-' 70-6,?76,2*',*'
12 =7*3,#=' 17/,067' 1 750*676,2*' 7*3' 54/?03' 2?4 0-' ' 6.0=' 7 0#-017/7603' ;=' 6.0,/' : 7*= 50 03' 2?7/='
-0--, 0' -6,+ : 7-' 7/,*75024-' 7 ;4 : 0*' 7*3' */2/ : 7 C 07?0-' .0=' .7?0' 7 -2' -2 : 0' 7 ,*,6=' 8,6.' >$9!/2'2'5
7*3'0-105,7 =' 8,6.' '$"9738#/5',*'6.0' : 2/0'2/' 0--',* 0/,2/'2?7/=' 12 =7*3/24-' -67 : 0*-' 54/?03'2?4 0' 10/,H
1.0/,50 : ;/=2' 7*3' 7/,*75024-' 7 ;4 : 0*J ;46',*' 3"$9!/2/'6.0'1 750*676,2*',-'50*6/7' 7*3' /00' 7*3',*' '$"/>>'
7 ##/5 8.,5.' .7-' 7' 1 4/,50 03' 2?7/=' 6.0' 2?4 0-' 7/0' ,*-0/603' 76' 6.0' 621' 2' 6.0' 50*6/7' 7*+ 0' 2' 6.0' 50 -
+'&' %>-/8$%' '2',*.-,;,6' 246.' /,57' ' - : 7' *4 : ;0/' 2' -105,0-' 7/0' : 06' 8,6.',*' 6.0' 03,60/H
/7*07*' /0+,2*' : 0/,57' 7*3' 4-6/7,7' .0' /4,6-' 2' -2 : 0' D ' ')9F' 52*67,*' -4+7/' 7*3' 7G0' 03,; 0'
.0' 07?0-' 2' + ' 7'8#29!#:!/"9 ' 7/0' 4-03' 7-' 7' ?0+067; 0' ;=' 6.0' 1021 0' 2*' 6.0' ;2/30/-' 2' 6.0' +/076'
/,57*' 30-0/6' 7*3' 6.0' ;/4,-03' -003-' =,0 3' 6.0 :' 24/# +' 2"-&$/!!#89 ' D 50 1 7*6F' *764/7,M03',*' 6.0'
03,60//7*07*' /0+,2*',-' /0>40*6=' 54 6,?7603' 2*' 75524,/6' 2',6-' -,*+4 7/' 71107/7*50',6-' -4/ 750' ;0,*+'
52?0/03' 8,6.' -.,*,*+' ?0-,5 0-' 52*67,*,*+' 7' +4 : 6*=' 1/,*5,1 0' ,*-2 4; 0' ,*' 8760/' 7*3' /0-0 : ; ,*+',*' 6.0'
-4* ,+.6' 7' 52?0/,*+' 2' .27/ /2-6' .0' ,*.7;,67*6-' 2' 6.0' 7*7/,0-' 4-0' 6.0' 4,50' 2' : 7*=' 2' 6.0-0'
1 7*6-' 7-' 7' 3,4/06,5' 7*3' ;4/*' 6.0,/' 07?0-' 62' 2;67,*' -237' .0' 4,50' 2' + ' ?$3#8/):388'',-' -4550-- 4 ='
0 : 1 2=03' 76' 6.0' 710' 7+7,*-6' 3=-0*60/=' .76' 2' + ' !3"$93&9 ' ,-' 52*-,30/03' 7-' 7' *7/ 26,5' 2/' -0376,?0
' _ .0' 07?0-' 2' + ' /<$"/!'5' 57 03' ,+#-' 750' 7/0' 0760*' 1,59 03',*' 4-6/7,7' .0'-003-' 2' 6.0' .7 : 7'
7G0' 7 : 2-6',: 12/67*6' 7/6,5 0' 2' 223' 8,6.' 6.0' 30-0/6' /7;-S

%<%

3 6

) - 5A '8)

V

!CC98 7* 0 C* GB*: I

" 98+ 4* ?94+ 0; 0 C ?+ GB*: I

9==4@+ -9 + 4* A GB*: I B>8AO GB*: I

<& >

0/;75024- 7**47 2/ -4 /460-50*6 & 3, 4-0 -4554 0*6 + 7;/24- 2/ ?0 ?06= M 7 60/*760 2/ -4; 2112-,60 76 0-;= 4-47 =0*6,/0 * (# /0+4 7/ 7G, 7/= 2/ 07 2112-03 -2 ,67/= 2/ 7++ 2 : 0/7603 -2 : 06, : 0- ,* 7 -1,60 2/ /750 : 0 7 " $ -410/,2/ (E 2;03 0-.= 52 24/03 8,6.,* ,*341 ,5760 ?7 ?760 ,* ;43 $ = 01,+=414- E 22 -2 ,67/= 2/ 7++/0+7603 ;0680 0* 6.0 57 =5,*7 2;0-J :#!/ '8$& , 2/ : 4;4 760J /8$%'"& T 00 03 3,3= : 24- 50 - 2; 2*2 -017/7603 76 6.0 ;7-0 7*3 621 210*,*+ 2*+,643,*7 = % ,* 0/,2/ Z D-2 : 06, : 0- & Y F 50 03 2/ T 50 03 ;= 7//0-6J &$-!'& 7- : 7*= 7- 6.0 50 - -.2/6 -6,+ : 76, 0/24- 2* 6.0,/ ,**0/ 03+0J 3(9!'& 2 ,67/= ,* 075. 50 10*34 24- ;= 7 -.2/6 4*,5 0 /2 : 6.0 621 2 6.0 ,**0/ 7*+ 0 -0 : , 7*76/2124- : ,5/21= 0 -410/,2/ /71.0 32/-7 2/ 7*+4 7/ 5/28*03 ;= 6.0 755/0-50*6 57 =G 8.,5.,- 2 60* 3, 7603 ,*62 .2/*- 2/ 2*+,643,*7 8,*+-J 5/28* 2 10/,57/1 *7903 7*3 : 7/903 8,6.

g 00 /,;0 2 #23#)'"&5 C '%< B %

3 ' ! 8 6 N

8*= *+ ; :' @880 / ?# 49 ?' H Q ' ' C9 ; =@ 0@?# CA8 89 ; 08B " $'&$/' 48@?+*490@?#
?7 ; ; :# >80 / ;# ?+8 *+9' 0 ; : +@= ;* A' " %#!< ' ;*F9=' " - ! ' *; ;@ *8# ?@880@ ; = ; :'
*' *8 ;*490@?' * >@B9 ;

P' 06/7+24,7

. ,-' +/241' 2*+' 4*,603' 62' + '&' ,"-/8$%' '2 5' ,-' 52**05603' 8 ,6.' ,6' ;=' 6.0' ,* 0/,2/" 2?7/=' 10/,1.0/,5'
0 : ;/=2' 7*3' 7/,*75024-' 7 ;4 : 0*J ;46' ,6' ,-' -017/7603' ;=' 6.0' 71067 24-' 280/' 6.0' 1 4/7 ,6=' 2' 6.0'
2?7/,7*' 50 -' 7*3' 6.0' 1 750*676,2*' '$"/738#'2'' 7/0' 7 -2' ?0/=' *07/" 3"$9!/2'2'5' ;46' 7/0' 3,-6,*+4,-.03' ;='
6.0,/" 7 87=-' ,* 0/,2/" 2?7/=' 8 ,6.' 2?4 03' 50 -' 6.0' 2/ :' 7*3' 52*-,-60*50' 2 ' 6.0' /4,6' "2' .0=' 7 -2'
711/275.' %' .3)#'W ', *' 6.0' 54/?03' 2?4 0' 7*3' 6.0' *764/0' 2 '6.0' 7 ;4 : 0*J ;46' 6.0' 7660/' 7/0' 3,-6,*+4,-.03'
;=' 6.0,/" -410/,2/" 7 87=-' 2*0 50 03' 2?7/=' 6.0,/" 10/,+=*24-' -67 : 0*-' 2112-,60' 6.0' -017 -' "5' ' 6.0'
-105,0-' 2 ' '$"/738#/' 7/0' 3,-10/-03' 2?0/' 6.0',- 0-' 7*3' 1/2 : 2*62/,0-' 2 ' 6.0' 246.0/*' .0 : ,-1.0/0' ; 0=2*3'
6.0' 6/21,5

'$"/738#/' ' ./8&/',-' 7' 1 7*6' 2 ' 08' h07 7*3' 7*3' 6.0',- 0-' 2 ' 6.0' 246.0/*' 507*' 6.0' 1/210/6,0-' 2 '
8 .,5.' 80/0' 4*9*28*' 62' 6.0' *76,?0-' ; 0 2/0' 7167,*' 229' 4-03',6' 7-' 223' 2/" . ,-' -7, 2/-' 7*3' 7-' 7' 54/0' 2/'
-54/?=' 6' 87-' ,*6/234503',*62' 4/210' ;=' ,/" ! ' 7*9-' 7*3',-' *28' 54 6,?7603' 7-' 4 : : 0/' 2/" 08'
h07 7*3' 1,*75.

) ' +

CF - ! G4 39"8':3"$> (' '' '"'>' (P - ! M4 9&&#'9 1
$ " 4 #8)!

' .3!- . '$/!39&5' .#7-839&5' #&3&$' 3839&5' (/!(/$'" #8' ,9) ' 2 ' O# #8&'"$')5
38' /8' .#7-839&')#&%' - ' D4 /!$'"8/$'' <#$%' $%"' . '$/!&' % ' #8: '"#3"5 3:' ' /'
3(9!')' 2'!!&' *# ' '. '8)9!39&5 /8/$"3.39&' A0 6#8')"-' + 47 ' /!,9 #839&5 /. #2/!'
) ' &9. '"#3" 1 ' /!$'"8/$'

98>*490@?' 08' 8*89 A' / 00=A' ' G+-3)32/". 9& ' -' @?@* A' @880 / 9=' 08'
47*; ;9 9=# F ; 0++A# ?+@ *8# 08' @ ' 0 'C +7 ' ' * +98 ; *+9# C9+ 0 9' = *+9=' *+' +79'
>*?9# > *=9' @?@* A' 4@+# 8*89 A' 9 ;+ 89' B 9.!'9"9 5' #87#)#9 ' 0 8 ' :# 8*89 A'
= 4 ;0@?' >A' *889?+# *88*; : 9=' ;' @B>9 ?' *; =' @B>9 @ 9?# ?0B9+ B9?' ;' *' 79*=' B "-8>
7#9 5 ?0B9+ B9?' ;' / 708 ?' B -)"323$-!' ' E A# , '!& *; =' 9 , '!!9!'& 9*47' @8; ?79=' / +7'
*;' ; -0 @489' 0 '>8*4+?# 08' ; *F9=' .' 0>9=' 08' * B0?+' ' Y2 ' # -* -*+9' 08'
?@> B>8 4*+9' ;' >@=# ; ?98+9=' 0@+? =9' *;' 9C : A ; 0@?' = ?F# 899# 4*=@40@?# +79' C0 ; +'
: 9 ; 98* A' ; =959=# ?0B9+ B9?' =' 08' C*8+ +9# +79' 0@+98' 0 +9 ;' *8 : 9?+' - ' #
* +98 ; *+9' / +7' *; =' ; ?98+9=' F9' +79' C9+* ?" :#!/ '8$& ; =959=' ;' >@=" /8$%'"& '
49 9=# ?@> = =AB0@?# ; +808?9' ' # 407989 ; +' ; +0' *' 49 9=' 0-*8A# 49 ?'
*; +980 C0?+98 08" &$-!'& H5' +7 4F9 ; 9=' *+' +79' >*?9' ; +0' b0 ; 9' 08' + / 0]' &$-!3.3)'&5 / 7 47'
480 / ;' +79' 0 - *8A" B&$#7 /& B ; @+9# 4*C +9 *+9]" 3(9!'& 08 : ; * A' : 9B ; *+9' ; ' 9*47'
49 # * +98 / *8=?' @?@* A' 89=@49=' +0' 0 ; 9# C9 ; =@ 0@?# *; *+80C0@?' 0 ' 49 9=#
= - = ; :' ; +0' ' B98 4*8C?# / 7 47' b0 +9 ;]' 89B* ;' ?@?C9 ; =9=' *+' +79' +0C' 0 ' *' ? ; : 9'
08' =0@> 9' = 08B' C80 0 ; : *+ 0 ;' 0 .+79' *5 ?' G2/". 3.%3"' ' @8 *49' 0 ' +79' 8@ +' / +7'
H ' B089' 08' 9??' C80B ; 9 ; +' 8 = : 9?' D 97/' ; *B9=' ." # /"- ' 79' B9= *;' =08?*' 8 = : 9'
0 ' 9*47' 4*8C9 ' ?' 4* 9=' +79' 2/"#8/!' 08' =08?*' +79' + / 0' +0' +79' 8 : 7+' *; =' 9 +' 0

'

U ‘ ! 6

9 ; : 9 ‘
8 + +‘ ĠB * : I ‘
C*8+ +9‘ 4*8C0C7O89 ‘

9 ; : 9
8* ; ? - 98?9‘ ?94+ O ;‘ O
4*8C9 ‘ ĠB * : I

9 ; : 9
8* ; ? - 98?9‘ ?94+ O ;‘ O ‘
8@ +‘ ĠB * : I ‘
*8C9 .?‘ / +7‘ -9‘
C8 B *8A‘ ? =9?# 888O / *‘
- ++*+9 “ 40B B ??@8* ‘
49‘ - +++9

- %Œ&/
" 98+ 4* ‘ ?94+ O ;‘ O ‘*‘
?9B : O>O?9‘ 4*8C9 #
/ +7‘ +7 4F‘ / * #
?7O / : :‘ +79‘ B ; @+9‘
9B>8AO‘ * +‘ +79‘ +0C‘ O ‘
+79‘ * >@B 9 ;‘ ĠB * : I

*88O+‘ F (‘ B
! B>9 ‘ * ; =‘ @B>9 @ 9?‘ / +>‘ ; - 0 @489‘ * ; =‘
; - 0 @40 ?

!6 V ‘ 5 (‘
*F9=‘ @B>9 ‘ @B>9 @ 9?‘
/ +7‘ @ - 0 @49 ?

$%/*=/
8* ; ? - 98?9‘ ?94+ O ;‘ O ‘ ; + +‘ ĠB * : I ‘ * CO ?‘
/ +7‘ -9‘ 8* ?9=‘ * ; =‘ +7 4F9 ; 9=‘ ? =9?‘] +79‘
+98 ‘ *8 : 9?+‘‘ @88O / ?‘ - ++*+9‘ ‘ 40B8* ??@8+ ! ‘
49‘ - +++9

8@ +
=‘ 4*8C0C7O89‘
ĠB * : I

A*$% /5
/ * : 0 4 0
8,6 ‘ ‘1 = 2,0‘
‘ *?2 455

1 & 9 '
8* ; ?- 98?9'
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4*8C9 ' GB*: I ,

1 & 9
9 / ' * ' 0'
' ; 2 2' * '
3 4' ; / '
0+ 3 ' 2' 2'
0+ 3 2' ' '
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& '
?+ ' *; =' 4* D 5'
/ +7' @ ; 9R@6'
B>

6 > (' 5" (' *C 4@ @B

' > " '
99=' 40-989='
/ +7' ; @B980@?'
>*; =? GB*: I

60 + (+A '
% " ' 0 * 2' '
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- & '
0 / 98# / +7' 0@+98'
C9+* ?' *8: 9?+

& ' 2
8@ +' GB*: I ' 9B ?C798 4* '
4*8C9 ?' / +7' -9' C8 B*8A'
95@0@? ? =9? #, ?940 ; =*8A'
? =9? BO89' C80B ; 9 ; +#'
F99 9=' @880 / ?' ; 0+' - ++*+9 '

'"" +& +!
0BC89??9=' 8@ +
GB*: I# / +7
F99 9=' ? =9?' *: ='
/ 08 ; ' 9=: 9?' @ ' 0&?'
; 0 ; - ++*+9

+' *89' 4* 9=' #8$'" ')#/$'' 8 = : 9?' *; =' + 9' + / 0' 0; ' 9*47' ? =9' 0 ' +79' 4*8C9 ' *89' 4* 9=' !/$'"/!' 8 = : 9?' ' +79' ; +98- * ?' / 7 47' ?9C*8*+9' +79' C8 B*8A' 8 = : 9?' *89' 4* 9=' :9""3<&5' *; =' *89' ?0B9+ B9?' 044@C 9=' >A' 0+798' 08' &'238) /"-' 8 = : 9? ' 0 ; : +@= ; * ' 89? ; 980@?' 4*; * ?# 4* 9=' (#$$<5' *89' =9-9 0C9=' ; ' +79' +7 4F ; 9??' 0 ' +79' C98 4*8C# *; =' C *49=' 7 ' +79' @880 / ?# 08' 07' +79 8' 40B B ??@8* ' ?@8 *49# 08' 0 ; ' +79' ?99=' +?9 ' +79A' B*A' >9' ?0B9E + B9?' *>?9 ; +' ' C9 ; =@ 0@?# 899' 08' *=798 ; : ' +0' +79' C98 4*8C ' " - ! ' ?+8* : 7+# B ; @+9# *+' +79' +0C' 0 ' *' 708 ; A' * >@B9 ; ' "/)#2!' ' ?@C98 08

N ' 3 ' ! 6

79' 0 0 / ; :' ?'+79' *;=0 9*;' = - ? 0;' 0 '+79' 08=98'J 1

!!' ' P - ! 3 !K'%! ! - 5 003' 76'2/'52*?0G'2*',6-'52 : :,--*/7' 750

! ! '66' F-! 1 M 62- ,0 B 003' 5.7**0 03' 4//2803'2/'52*57?0'2*',6-' 2 : :,--4/7' 750'0,6.0/' /2 :'6.0',*54/?03' :7/+,*-'2/' /2 :'6.0',* 0G,2*'2 '6.0'682'0*3-

b 79' 0 0 / ; :' 40;?C94+@?'0 '+79'+8 >9?'0 ' ,'!!#:'"2*' ?'+7*+'9 *>08*+9=' 08'+79' 2 9;98*' *;+*8@B#.*;=' ?'*'?F9+47'0; A'6 +79' 4 *?? 4*+ 0;' 0 '+79' :9;98*' 0 '+7 ?# 08=98'>9 ;:'6'B0?+'= 4@ +'*;=' 40BC 4*+9=' +*?F# *;=' +7989' >9 ;:' B*;A'9549C+ 0;?' +0'+79'47*8*4+98?' : -9;')1

98 9?' ' K 5 P : ;0 -' -,: 1 0'2/' /0+4 7/ =' D/7/0 =',//0+4 7/ =F' 52 : 124*3' ,66 :'□

! ' ' , B /4,6' 760/7 =' 52 : 1/0--03' 2/' 52*-6/,5603' 76'6.0'*7, 28'52 : H :,--4/0'J 57/10 -'32/-7 =' 7546O'2/'2;64-0' -)"323$-!'5' "/2%- /5' /8$%3&#/5' J3"''!!/5' =2

4 ! ' ' 4,, L B /4,6'0G5003,*+ ='*7//28'76'6.0'52 : :,--4/0'% 7*+ 03'2/'2 'H3,-52,3' 7/10 -'1 7503' 750'62' 7 0'8.,5.'7/0'32/-7 =' 76'2/'52*57?0' 3<!'&#/5' &$'"#&2 85' +9!#8< 5' '88/&5' =3

1 !!' ' :54,, !@ B /4,6'-4; 60/060'52 : :,--4/0';/273'32/-7 ='52 : 1/0--03' _ "-8> 7#"885' ")3.-&5' _ &$"/8$#/5' /8#29!/5')#83$##&5' "5

98 9?' ' < I"! 5% 8 : ;0 -' 52 : 124*3' /,: 7/=' /,3+0-'2* =' 2 '6.0' /4,6' 52*H -1,5424- J' ?,66 ,'/7/0 =' 7;-0*6',*'6.0' 4//28-

1 !!'6<' " 6 4,K 5 0 280/-' N' -2 ,67/=',*'6.0' 4 :;0 -'-0--,0' J /4,6'6.?2 45/760' ;='6.0'.7/30*03' 103,50 -'2'6.0' S' 280/-' *0'57/10'10/ 056'-4; 60/060'6.0'26.0/'7//0-603' - 0*30/'2/'/43,:0*67/=' 2%#83. <"/5' -2833-2!/

!!!' <' $ - - 1 K 5 0/4,6' 760/7 =' 52 : 1/0--03'2/'52*-6/,5603'2*' ;26.' -,30-'6287/3-' 6.0'52 : :,--4/0'2/'+/22?03

4; 6/,;0' ' -"8#'2 B' /4,6';/273 =' 2?760'2/' 3,3= : 24-' 003' .2 2803'2/' 4//2803' ,*' /2*6' %-&3&.'" 9 5' 38#9 5' "/3%-)#9 5' _ ""/2/2%/5' -"8#9 5' "5

4; 6/,;0'T' 9/ #8'2' B 003' 52*?0G' 2/' 76',*' /2*6' A 9.!38"9 5' #2%$' &$'##9/5' "#8#/5' _ .# 85' #/<$/5' #5' /"< 5' #& #5' 73.)#9 5' _ #.#8'!!/

4; 6/,;0' (' 2/8)#2#8' B /4,6' 2?760'2;2*+' 2/' ,*07/' 003' +/22?03' ,*' /2*6 383.)#9#85' _ + -#4"!##&5' "'3 -""%#&5' %2'" . #- < 5' 2/8)#?5' A 8$!#"#&29&5' "2

! ' <6' K 5 0/4,6' -4; 60/060'2/' 32/-7 =' 52 : 1/0--03' 52 : :,--4/0';/273'J 760/7'/,3+0-'3,-6,*56'6.,590*03'2/'- 0*30/' ;46'*26'3, 7603

4; 6/,;0' ' 9&'&'!#8'2' B /4,6'-4; 60/060'2/' /7/0 =' 32/-7 =' -4; 52 : 1/0--03'J 1/,:7/=' /,3+0-'-4; 0>47 ' *26'8,*+03' '&'!#5' _ 8#2#)<

4; 6/,;0'T' %'33'/".'3' B /4,6'.7/3' 60/060' 0>47 =' E 7*+ 03'2/'ÆE 8,*+03'J 57/10 -' 52**760'J ?,66 :'2;-54/0'2/'-57660/03' %'232/#. 5' ='

4; 6/,;0' (' /'%8 ='2 B /4,6'-4; 60/060'2/'32/-7 =' 52 : 1/0--03'J /,3+0-' 2;64-0'75460' 2/'8,*+03' ,66L',*30,*,60'73.0/,*+'62'6.0'-003'7*3'-017/76,*+' /2 :'6.0'52/9='0G257/1' /2%"-&5' "/873&5' "#$% 5' =3

4; 6/,;0'%' 8 $%'2' B /4,6'-4; 60/060'2/'32/-7 =' 52 : 1/0--03'/,3+0-' 8,*+ 0--'6.0

760/7'52 ,0/0*6'7-' 7'6.,5 ,' 7 : 2-6'52/9=' : 7/+,*'62' 6.0' /4,6' ,66-0'-2 ,67/=',*'6.0' 4//28-' 8/8$!#'5' A$%9&/5' #!'"5' A3' 5

4; 6/,;0' <' 2%9)'2 5B /4,6' : 2/0' 2/' 0--' 32/-7 =' 52 : 1/0--03'/,3+0-' 8,*+ 0--'6.0' 760/7'.7/3 ='6.,590*03' ,66L'?7/,24-'2/'$' /%9!F#/5' #!/9&5' "5

4; 6/,;0' ' C # B /4,6' 32/-7 =' 52 : 1/0--03' 2/' -4; 60/060'1/,: 7/=' /,3+0-' 2/' 6.0' 57/,*7'2* =' 1/234503' ,*62' 6.,590*03' 8,*+-J 8,*+-' 0>47' 2/' 6.0' 760/7' ;/2730/' +'9 5' & + " ' ! ## 'C # " ' : D ! " ' , ? ' #" ! " '"5

4; 6/,;0' ' ' + # 'B' /4,6' 32/-7 =' 52 : 1/0--03' 32/-7' 7*3' -052*37/=' /,3+0-' 8,*+ 0--' 2/' 2;-54/0 =' 8,*+03' 760/7' 0G17*303' ,*62' ;/273' : 0 : ;/7*24-' 2/' 52/9=' 8,*+-' ' + # 'M' + # '"5

6, ' ' " KB : ,6' 32/-7 =' : 45.' 52 : 1/0--03' 760/7' /,3+0-' 3, 7603' ,*62' ;/273'64 : ,3'2/'8,*+ ,90' : 7/+,*-'6.2-0'2 '6.0'2112-,60'57/10 -' 2-0 ='52.0/0*6'7*3'71107/,*+' 7-' 2*0' 6, ' 30.,-50*50' MO "# '$ ' " " ' # ' ! ! 1' # # ' #" 'G

0/,0-' ' * / KB :;0 -' 52 : 124*3' 4//28-'2'6.0' /4,6' 6.,590*03'2?0/'6.0 ?,662'2/' 7 : ,-.03'8,6.'-052*37/='/,3+0-

76 ' ' 6/5 , !b B :,6'-4; 60/060'/,3+0-'2;64-0'2/'1/,59 ='2/'3, 7603',*62' 2;03' 2/'6226.03'8,*+-' D **47 -'2/';,0**,7 - F' A 3"#3)"9 5' A ## #89 5'_1/9'9&5' /93/!#&5' "

!!') ' B /4,6'-4; 60/060'2/'32/-7 =' 52 : 1/0--03J'-052*37/='/,3+0-'7 '2/' 6.0' 760/7'2* =' : 45.' /7,-03'2/'8,*+03' D 0/0**,7 -' /7/0 =';,0**,7 - F' /&'".#$ 5' %/.&#/5' +38#J#/5' !2'3&'!#8 85' "5 B F

%' #:'"'" ?" 7 ,03'62' "/!#/2'2'!3-'6.0' ,* 2/0-50*50'I7 60/*760' 07?0-'12 =1067 24-'01,+=*24-' 7*3' ,-2-60 : 2*24-' 2/2 7'=7 ?760',*' ;43'6.0',*?0/603' 7*3' 7*76/2124-' 2?4 0'7*3'6.0' :,*460'0 : .,=2' 76'6.0'621' 2'7' 521,24-'7;4 : 0*' "9 /''2" 3, 0/' 2* =',*'6.0,/' /4,6' 8.,5.',-' 4-47 =' 0-.=' _7*3' 2 60*'12 =57/10 7/=J 7*3'52*-1,5424-=',*'.7;,6F' ! %'!!#:'"2'7 -2'711/275.' 3"8'/'D8.,5.'-00F

4 %'!!#:'"'&1/,*5,17 =';02*+'62'6.0'*2/6.0/*'.0:,-1.0/0'8.0/0'6.0=',*.7;,6'60 : 10/760'7*3'522' 524*6/,0-'0-105,7 ='6.0' 03,60//7*07*'/0+,2*'7*3' 046/7' -,7' 46'08'7/0' : 06'8,6.',*'6.0'62//,3' J38'5'8.0/0'6.0='2* ='+/28'2*'.,+.' : 24*67,*-'7*3'*07/'6.0'-07'8.0/0'6.0'.076',-' : 230/760

,'!!#:'"/'52*67,*'7'+/076' : 7*='-105,0-'-2 : 0' 7 , : 0*67/='26.0/-' : 03,5,*7'2/'12,-2*24-' .0-0' ?0/='3, 0/0*6'1/210/6,0-'7/0'340'62'1/,*5,1 0-'8.,5.'0G,-6',*'?7/,24-'1/212/6,2*-'0,6.0/',*'6.0' 07?0-'/226' 2/' /4,6J 6.0' /226-'1/,*5,17 ='52*67,*' /0-,*-' 2/' +4 : /0-,*-E 6.0' /4,6-'12--0--'7'?2 76, 0' 2,',*' 6.0' ?,6600'2'6.0,/'10/,57/1'2/'-003J'6.0' 07?0-'2'-2 : 0' -105,0-'7/0'7/2 : 76,5'7*3'-1,5='2'26.0/-'*7/526,5'7*3' 75/,3' 45.' ,'!!#:'" '760' +223' 2/' 223' 7-'.7?0'7'-4 ,5,0*6'>47*6,6='2'-4+7/'7*3' : 45, 7+0' 4*,603' 62'6.0'.=3/2 57/;2*'1/,*5,1 0-J 8.0*'6.0'?2 76, 0' 2,'1/032 : ,*760-'7-',*'6.0' /4,6'2' : 7*='6.0=';052 : 0' 7'-6,: 4 76,*+' : 03,5,*0'7*3'7*'7+/007; 0' 52*3, : 0*6' O 0' 8, ';/,0 =' : 0*6,2*'6.0',*3,+0*24-' -105,0-' : 2-6' /0 : 7/97; 0' 2/'6.0,/'1/210/6,0-'2'6.,-'*4 : 0/24-' 7 : ,=@B

#29$/"#/' DO 760/' 0 : 259F' 226'7*3'-60 :'8,6.'7'=0 28,-.'?0/='12,-2*24-' 4,50' 7/0 =' 4-03',*' : 03,5,*0'7-'6.0' 126603' 0 : 259' ?

.#9 ' 7"/('3!'8&' 226'7/2 : 76,5' ;,660/' 75/,3' 710/,0*6'7-',-'6.0' /4,6' ' 0 0/=',-'7' 54 6,?7603' X ?7/,06='2'8.,5.'6.0'/226'7*3';7*5.03'106,2 0-'7/0'4-03' 2/' 223'7*3'12--0--'0G5,6,*+' >47 ,6,0-

'$"3&'!#89 ' &/$#(9 ' D 7/-0=F' 0/;'7*3' /226' 4-03' 7-' 7' -7450' .0' 0G1/0--03' 4,50',-' /052 : ' ' : 0*303'7-'7*'0 : 2 ,0*6'7*3'3,4/06,5

73.3)#8 ' 3)/7"/"#/' D 246 8003F' '-6,: 4 7*6'3,4/06,5'7*3'?4 *0/7/=

/"9 ' /"9#D 7/787=F' '-6,: 4 76,*+'-62 : 75.,5'0 : 1 2=03',*'6.0' 2/6.'62' 7?24/' ;/073'7*3' A 5.00-0

3 " ' 6 0H

: 2-6' 1280/ 4 ' 2 ' 7*6, .=-60/,57 ' : 03,5,*0-' 7*3' ,-' 7 -2' 073 : ,*,-60/03' ,*' 6 .0' 6/076 : 0*6' 2 ' 7-6. : 7 ' .0' 7+710*4 : ' 2/' 0/71 .,5' 4 : ' ,-' 7' -6/2*+ - : 0 ,*+' -4 ; -67*50 ' 2 ' 7*' 75/,3' 7*3' ; ,660/' 67-60 ' 52 : 12-03' 2 ' 7' +4 : ' 7' /0-,* ' 7*3' 7' ?2 76, 0' 2, J' ,6' 52 : 0-' /2 : ' 0/-,7' ,90' 6 .0' -7 206,37 ' 7*3' ,6-' 1/210/6,0-' 7/0' 7*7 2+24-' 6 .24+ .' 0--' 1280/ 4 J ,6' 1/2 ; 7 ; =' ; 0 2*+-' ,90' 6 .0' 7660/ ' 62' 7' +0*4-' *07/' '" ;)/ ' 7 ; 7*4 : ' .7-' ; 00*' 0 : 1 2=03' 2/' 50*64/,0-' 7-' 7' -6, : 4 7*6' 2 ' 6 .0' *0/?24-' 7*3' ?7-54 7/' -=-60 : -J ,6' 52 : 0-' /2 : ' =/,7 ' ; 46' ,6-' 2/,+,*' ,-' 4*9*28*' J 7-' ,-' 6 .0' 57-0' 8 ,6 . ' 6 .0' 7-0/' _2/' .71-,7' 2 ' 6 .0' 7*5,0*6-S ' /01/0-0*603' 2*' -2 : 0' .20*,5,7*' : 037 -' 2/' 52,*-' 7*3' 2 ' 8 .,5 . ' 6 .0' 4,50' 87-' 0G12/603' /2 : ' =/0*7,57' 62' /0050 ' 4 : ' : : 2*,75' ,-' 1/254/03' /2 : ' 3"' ' /' 38#/29 5' 7' *76,?0' 2 ' 0/-,7' 7*3' / : 0*,7 ' .,-' /0-,*' ,-' 76' # ,/-6' 2 ' 7' -8006,-. ' 67-60 ' 6 .0*' 756,3' 7*3' ; ,660/J ,6-' >47 ,6,0-' 7/0' 6 .0' -7 : 0' 7-' 6 .2-0' 2 ' 6 .0' -7 206,37 ' . 46' ,6' ,-' 0--' 1280/ 4 ' ,*' . =-60/,57 ' 57-0-J ,6' ,-' 7 -2' 0 : 1 2=03' 62' -6, : 4 760' 6 .0' 4*56,2*-' 2 ' 6 .0' 7 ; 32 : ,*7 ' ?,-50/7' 7*3' /0-1,/762/=' 2/+7*-' _ .0' 4 : .7 ' 7' ?0/=' 206,3' : 4-9=' 3/4+ ' 4-03' 7-' 7*' 7*6,-17- : 23,5 ' ,-' 6 .0' ?0/=' 7/+0' /226' 2 ' 6 .0' /"-/87#9 5' 9 %/!5' 7' *76,?0' 2 ' 0*6/7 ' -,7 B %U

) '

. +& 9&&#'9 8 5 # 5 ' 9+' < 0& /"$!#87

0 '.3!-. '$/!39&5' '.#7-839&5' 9&9/!!-' #&3&$' 3839&' : ' H #' ./!(/$'' #8' %9)' = ' #8&'"$')' /!$'"8/$'!-' <#$%' $%'' . '$/!&5' "/"'!-' 3"' ' # ' #8:'"#3"5' 3:' H> /8-' N>3(9!')' 2'!!&' # ' . '8)9!39&5' /8/$"3.39&' : - ' /' %'""-' K " ' /!,9 #839&' ' &9. '"#3"

= ' / 0O=A#' 8*89 A' 798>*49O@?6' C989 ; ; * #' / +7' 4A ; =8 4#' ?0B 9+ B 9?' ?C ; A' >8*; 479?#' O +9 ; ' 4 B > ; : ' 08' *++*47 ; : ' +?9 ' +0' O+798' C *; +?' >A' >8 ?9#' / 79 ; 49' +79A' *CC9*8' C*8*? + 4 ' M ' * +98 ; *+9#' - 98A' 8*89 A' OCCO? +9#' ? B C 9#' C ; ; *+9' O8 ' = : E +*+9' D . '$#3!'&' 9 ; *8 : 9=' * ; =' +7 4F9 ; 9=' * +' +79' > *?9" &$#.9!'&' ' : V =' #' O8' B C98

0) ‘ ,

280/ ;43'D : 7+ FC ' 280/'D : 7+ F /7*-?0/-0'-056,2*'2 ' 280/'D : 7+ F ',7+/7 :

280/'5/28*03' ;='6 0' 57 =G'D : 7+ F' o 0/6,57 '-056,2*'2 '2?7/=' D : 7+ F /7* '-056,2*'2 '2?7/=' D : 7+ F ?='003'D : 7+ F' ?= /4,6

280/'D : 7+ F

,7+/7 : ' ?0/6,57 ='D : 7+ F' Ž ?0/ 27 /D : 7+ F

3 " ’ 6 OM

= ’
9+* ?’ ?9C*8*+ ; :’
;’0 ; 9’C 949’ F9’
= ’ (+ > ’ +F9’0C984@ @B
0 / 98 >@=’ 0 ’*’CA5 = @B
GB*: I ’ GB*: I 0 ’ *8A’GB*: I

,& 9
9 ; +*+O98O@?’ 0 / 98’GB*: I

,& 9
99=’4@+
-98+ 4* A’GB*: I

,& 9
" 98+ 4* ’?94+06 0 ;’0 ’0 - *8A’GB*: #I

9
9 ; +*B98O@?’ 0 / 98’
?99 ;’ 8OB’*>0-9’
GB*: I

,& 9 ’
9+8*;ÐO8O@?’
0 / 98’?99 ;’ 8OB’
>0-9’GB: I

,& 9
8@ +’48O/;9=’
>A’+79’4* A5"
GB*: I

,& 9 ’
* ’*;+798#’
=O8?*’ *49’
GB*: I ’

’ ,& 9
* ’*;+798#’
; 98’ *49
GB*: I

" 98+ 4* ’?94+ 0 ;’0 ’ 8@ +’GB*: I

; "S > ’ ’

99+'+ 8O@: ' *889?+#'89:@ *8#' ;' @B>9 ?#';* 49='O8' ;-O @48*+4' 4*C +; *#'8*49B9?'O8' C*; 4 9?' $'?@C98 O8#'@?@* A'? O8+#'9;+ 89'O8'+OO+ 9=' : ' #'H ' O8' BO89# ;?98+9='O;' +79' 9=:9' O ' *;' 9C :A;O@?' = ?F#'-* -*+9' O8' B>8 4*+9', ;'>@=#' 899#'O8' 40798 ;:' *+'+79'+OC' *;='=9+*47 ;:' F9' *' 4@C ' = ' ;?98+9='* +98;*+9 A' / +7' +79'C9+* ?#'8*89 A' =O@> 9'O8'+89> 9' ;';@B>98'GO8' ;=9 ;+9I'%:#!/ '8$&'?7O8+#'= ?+ ;4+#' -98A' 8*89 A' CC'8+ +9' G)3?/I'" /8$%'"&' O-O ='O8' ;9*8#';+8O8?9#';4@B>9;+#'O ' ' OCCO?+9'49 ?'OC9; ;:' O;: +@= ;* A' # "' ; 98 O8#'480/;9='>A'+79'=?F#'O ' H ' H O-@ 9=' 49 ?'" &$-!'&'9R@* 6'+79'49 ?' ;';@B>98#'?0B9+ B9?'40798 ;:#'O +9;' -98A' ?7O8+" &$#7 /&'? BC 9"3(9!'&'?@?C9;=9=' 80B'+79'+OC'O ' +79'49 ?#'*;*+80C0@?" %'"8' 9?7A'O8'=8A#'480/;9='>A'+79'4* A5 ' = ' ;-98+9=" $'&$/'48@?+*490@?#'?0B9+ B9?' B*8:;9=' " 'B ;@+9#'?+8* :7+#'*+'+79'+OC'O '*' 9?7A'40C 0@?'* >@B9;'" 23$-K !')38&'?7O8+" "/)#2!''?@C98 O8' #

' ' +

O8O *' R@ +9' CO AC9+* 0@?# *9?+ -*+ 0;' -* -*+9' +9B'@?@* A' /00='

' '

P /7,7' P 030/7' P 7*7G' P /0217*7G' P 0*3/217*7G
P 7/76/21,7' P 5,7321.= 4:' P ,3=:217*7G' P 7-62*,7' X

B ! ' ' , F 6!6&

O8O *' ?@> CO AC9+* 0@?# *9?+ -*+ 0;' B>8 4*+9' *B:;+?' C*8+ +9' +9B' 798>*490@?

!

32G7

b 79':9;98*'O', " '7*-9'>99;'89 95*B ;9='*;='*88*;:9='*?' 0 0/?';'+79' 2 9;98*' *;+*8@B. 6

1!'6' $ 52067-':2/0'2/'0-',:;/,5760'76675.03';='7';/273';7-0' 1 " 5' , " '8 5 9'V

!'66' 1 52067-'-.2/6='57803',*?2 460'?7 ?760' "

!' ' 2 B 067-'?7 ?760' 67:0*-'7-':7*='7-'6.0' 1067-' ;4:0*' *26' /4:,*760' 1 "& '8 9', 5 9'6 '8& 5 9';"S > ' '1 & 0' 5"" '6 5 5" (('F & 5 'VY

!' ' - B 067-'?7 ?760' 67:0*-'7-':7*='7-'6.0' 1067-' ;4:0*' /4:,*760' , 5 ""(' (' 5 9'/& & '"2

!'<' 2 ! ,5 2067-'?7 ?760' /52**760' 67:0*-'?0/='*4:0/24-' 6=0-'$' 2/'52.0/,*+',*'7'52*0' 8" & '<(5 & ('"2 B * S

#>/!#/2'2'" 711/275.' %'!!#:'"2'5 .'!#)'/5' 7*3' /."#@3 /2''" D-00' 6.0-0' 7:,,0-F' .0=' 7/0' 5 2-0='52**05603'8,6.' 3"8'/J,*' ;26.'6.0' 1067-'7/0' 01,+=*24-'7*3',-2-60:2*24-'¢7*3'?7 ?760'6.0

' ,& 9 ' ' ' ' ' 5 '"

2?4 0-' 7/0' -2 ,67/=' ,*' 6.0' 50 -' 0*34 2*-' 7*3' 7*76/212,,-' J 6.0' /4,6',-' 0-.=' 7*3' 6.0' 0 : ;/=2' 7 ;4 : ,*24-' 6.0' -60 : ' ,-' +0*0/7 =' A8223= 7*3' 6.0' 280/-' 7/0' 4 : ;0 03' 2/' 571,64 760' 3"8'/' 2* =' 3, 0/' ,*' 6.0,/' 3/4175024-' /4,6' 7*3' 2112-,60' 07?0-

O 0' 1 750' *07/' "/!#/2'/' 6.0' +0*4-' '!<#87#/5' 8.,5.' ,-' 52**05603' 8,6.' 6.0 : ' 7*3' 8,6.' / />' '!#2%2" .=' 6.0' ?7 ?760' 70-6, 6,2*' ,* 0/,2/' 2?7/=' 10*34 24-' 7*3' 7*76/2124-' 2?4 0-' 7 ;4 : ,*24-' 0 : ;/=2' 8223=' -60 : ' 7*3' 7 60/*760' 07?0-

"/!9<'2&' ,*.7;,6' ;26.' .0 : ,-1.0/0-' ;46' *26' ;0=2*3' 76,6430' HcE' 6.0=' 7;24*3',*' : 0/,57' 7*3' 17/6,54 7/=',*' 6.0' : 24*67,*-' 2' 0G,52' 7*3' 08' D!/0*737' 7*%7/0' /7/0',*' 6.0' 17/7 0' /0+,2*-' 2' 4/210' 7*3' -,7' 7 6.24+.' 6.0' +0*4-' /"/$"3.#/',-' *4 : 0/24- =' /01/0-0*603',*' 6.0' 7660/

.,-' 7 : ,=' 52*67,*-' 08' -105,0-' 4-0 4' 62' : 7*' .0' 07?0-' 2' 6.0' ?='G ')'"/' '!#?' 7/0' 7/2 : 76,5' 7*3' 6.0,/' 5. 2/21.= ' 3,--2 ?03',*' 67 28' 2/' 2, ' -0/?0-' 7-' 7' 3/0--,*+' 2/' 4 50/-E 7' 305256,2*' 2' 6.0 : ' ,-' 7 -2' 0 : 1 2=03' 7+7,*-6' ?0/ : ,*' 2*' 6.0' ;23=' .0' /226' 2' $/?' #8&'87',-' 50 0;/7603',*' 0/-,7' .,*7' 7*3' *3,7' 7-' 7' 62*,5' 743' 71./23,-,75' .0' /7,7-' 2' 2/6.' : 0/,57' 7/0' 0-600 : 03' 6.0/0' 7-' -432/,,5-' 7*3' 3014/76,?0-'6.0' /.,M2 : 0-' 2' "/!#/' 89)#2/9!'5 6.0' ;7/9' 2'6.0' -1,*=' /7,7' 7*3' 6.0' : 45, 7+,*24-' 7/2 : 76,5' /226' 2'6.0' /750 : 2-0' /7,7' 7/0' 6.4-' 4-03' *' !717*' 6.0' =24*+' -.226-' 2' '!<#87#/' 7/0' 0760*' _ .0' .0746, 4'-4 ;-67*50' 57 03',50' 1710/',-' 6.0' 1,6.' 2' /$&#/'./.-"#:'"/

' 3 ! -' $"#!9&5' *98$%# 1 ,4 1 ! 4' #8)$

' .3!-.=$/!39&5' '.#7-879&5' #&3&$' 3839&E 'J @(D4' (/!(/$'' Z - ' % E 7660 : 7 0' 86]6' $%"'.'$/!&' 7 '7'#8:'"#3"'5 3:' T (' N>3(9!')' 2'!!&' % ' .'8)9!39&5' /8/$"3.39&' " ' /')"9.'' " -! ' /!,9 #839&5' /?#!'' " ' &9.'"#3"

= ' 822D!=' -2 : 06, : 0-' -4;60//7*07*' 7*3' 0 : ,66,*+V' .0/;75024-' ;/7*5.0-' M ' 2112-,60' 2/' 40/' /7/0=' 7 60/*760' G '23&$'/'5 10**,*0/?03'-, : 1 0' 0*6,/0' 2/' 6226.03' 5734524-' 2/' 10/-,-60*6' 0G-6,14 760' 0 8 ' 2/' 3,205,24-' ;=' 7//0-6' D "#&'!#8#/ 5',*' 7'.073'2/' 4 : ;0' 8,6.' 7' 4-47 =' 52 24/03',*?2 45/0'/7/0=',*' 7'52/= : ;' 8,6.246' 7*',*?2 45/0' "$' -410/,2/' % 6226.03' : ' % E',*-0/603' 2*' 6.0' 57 =G' 7*3' 7 60/*760' 8,6.',6-' 6006.' ?7 ?760',*' ;43'2/' -4. , : ;/,5760',*' 6.0' S' 280/-' B "#&'!#8#/ 5 305,3424-' = ' % E' 7 60/*760' 8,6.' 6.0' 1067 -' J :#!/ '8$&', , 2/ : ' 3,-6,*56J' /8$%'"&',*6/2/-0' 32/-,G03' T 50 03' 30.,-50*50' 2*+,643,*7' % ' ,* 0/,2/' T' D-2 : 06, : 0-' (F' 50 03' 5/28*03' ;=' 7C3,-9' 2 60*' -57/50=' ?,-,; 0J &$-!'' -, : 1 0J &$#7 /' 571,6760J 3(9!'&' -2 ,67/=',*' 075.' 50 ' 10*34 24-' 7*76/2124-' - ' 3,-6,*56' 2/' 52.0/,*+' -62*0' ;2*=' T (50 03' 2/' 50 03' .=' 7//0-6' = ' ,*?0/603',*!0+4 : 0*6' 52/,75024-' > ' -6/7,+.6',*' 6.0' 7G,-' 2' 7' 0-./' 7 ;4H : 0*' 7*3' 0>47 ,*+',6',*' 0*+6.J 23$-!')38&' 2; 2*+' -4; 2 ,72024-J "/)#2!'' -.2/6' -410/,2/

' /

P 2/*4- P 0*6.7 : ,7' P 454;7 P /,-0,*,7

B 3"8'2'5*?'89 4*?? 9='>A' 9;+7*B'*;=' 00F98' ' 08'+79'2 9;98*' *;+*8@B#.' 40;+*;?B*;A' B089' 9549C+ 0;*' : 9;98*'+7*;' *89' ;4 @=9=' ;' 08B98' *88*;:9B9;+?' 0'+79' 08=98' 79A' *89'+7@?' = ?C0?9=) 1

ON 3 " '

0 / 98?' 798D**C78O= +9 B !/87#9 5' + /"!'/5' #$"$#&#/5' 3"3!2#/5' 9"8##&5' + /?$9(#/5
6 0 / 98?' @ ; ?95@* ' 9*-9?' OCCO? +9 B 929%/5' /"8 /]
0 / 08?' @ ; ?95@* ' 9*-9?' * +98 ; *+9 B "#&'!#8#/5' * /!#.!$3#>/5' $ &?/5' 3"#2"!!#8 B @]

3 '2&' 8 0/0' 2/ : 0/ =' ,*5 4303' ,*' /."#:3!#/2'2'E' 6.0=' 7/0' ?0/=' *07/' "/!#/22/' D-00' 6.2 -0' 7 : , ,0 -F' J
6.0=' 7 -2' 711/275.' %'!!#:'"2" ,*' 6.0' 01,+=*24-' 12 =1067 24-' 7*3' ,-2-62 : 2*24-' 52/2 7' 7*3' ,6-' 0-6,?7H
6,2*' ,*' 6.0' 10*34 24-' 7*76/2124-' 2?4 0' 7 ; 4 : ,*24-' 0 : ./=2' 7*3' 4 : .0 03' 2/' 571,64 760' ,* 2/0-52*50

O8;9 ' % *:8*B

O8;9 ' "98+ 4*'?94+ O;' O ' 0/98'GB*:'

O8;9
8@ +' 4@+' -98+ 4* A'GB*:#I

a' 0B'9
?+ ' *;=' 4* A5'GB*: I

%'!!#:'"$ ' 7/0' -017/7603' /2 :' 3"8'2'" %-' 6.0,/' 682' -6= 0-' 3/=' /4,6' : ,*460' 0 : ; /=2' 7*3' 7 60/*760' 546'
07?0-' 8,6.' 3, 7603' 106,2 0' .0' 52**056,2*' 2' 3##8'2' 8,6.' / / '!#)'2'',-' *26,503' ,4' 6.0' 75524*6' 2'
6.0' 7660/' 7 : , =
3 '2'' 7 : 2-6' 0G5 4-,?0 =' ; 0 2*+' 62' 6.0' *2/6.0/*' .0 : ,-1.0/0J 6.0=' ,* .7 ; ,6'0-105,7 =' 6.0' , : 7 7=7-'
_7*3' !717*S' 7*3' 6.0' 60 : 10/760' 7*3' 522' /0+,2*-' 2' : 0/,57 P' 6.0=' 7,#0' ?0/=' /7/0' ,*' 6/21,57' : 0/,57
"#&'!#8#/' 7*3' 3"3%#/' ; 0 2*+' 62' 08' h07 7*3' BA 9"$#&#/',-' 246.' /,57*S

P 00' 2/30/' /""-/2'2 5' 1' %'Y B ,F

.0‘ 8223‘ 2 ‘ 3"8'@&‘ ,-‘ 0G6/0 : 0 =‘ . 7/3J _6 . 76‘ 2 ‘ 3"89&‘ ; 0,* +‘ 4-03‘ ,*‘ 6 . 0‘ : 7*4 7564/0‘ 2 ‘ +4*H 12830/S‘ .0‘ . 7/9‘ 2 ‘ 2+8223‘ 0-105,7 =‘ 2 ‘ 3"89&‘ !3"#) /5‘ ,-‘ . ,660/‘ 7*3‘ 7-6/,*+0*6‘ 7*3‘ =,0 3-‘ 7‘ 1/,*5,1 0‘ G23"8##8' 5‘ 8 . ,5 . ‘ ,-‘ 73 : ,*,-60/03‘ ,*‘ 2/6 . ‘ : 0/,57‘ ,*-6073‘ 2 ‘ >4,*,*0 ‘ .0‘ 3/410-‘ 2 ‘ ‘ /&29!/‘ . 7?0‘ 7*‘ 75,3 -8006‘ 67-60 ‘ 7*3‘ 12--0--‘ 7-6/,*+0*6‘ 1/210/6,0-‘ _ . 0=‘ 7/0‘ 4-03‘ ,*‘ : 79,* +‘ -. 0/ ; 06‘ ,*‘ 6 . 0‘ 7-6 S‘ .0‘ -003‘ 2 ‘ ‘ &/879#8'/‘ 52*67,*-‘ 7‘ ,G03‘ 2, ‘ 4-0 4 ‘ ,*‘ 6 . 0‘ : 7*4 7564/0‘ 2 ‘ 271‘ .0‘ ‘ D '8>‘ $%/ #) ‘ :"/7#:'"/‘ ,-‘ 7‘ -. /4 ;‘ 2 '6 . 0‘ , : 7 7=7-‘ 7*3‘ !717* ‘ 6 . 0‘ /4,6-‘ 2 ‘ 8 . ,5 . ‘ /0-0/ . ; 0‘ 7‘ -6/78 ; 0//=‘ 7*3‘ . 7?0‘ 7*‘ 7+/007 ; 0‘ 67-60 ‘ .0‘ 9'9%/‘ 7 -2‘ 52 : 0-‘ /2 : ‘ _6 . 0‘ , : 7 7=7-‘ 7*3‘ !717* ‘ 7*3‘ ,-‘ 0G60*-,?0 =‘ 54 6,?7603‘ ,*‘ 4/210‘ 2/‘ ,6-‘ 52/,75024-‘ ?7/,0+7603‘ 7*3‘ 10/-,-60*6‘ 07?0-

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-8223= ;/7*5.0-% -,303 2112-,60 -.2/6=106,2 03 0,,6,,#0 10**,*0/?03 0?0/+/00*J.'$#3!'&4*,603 76 6.0;7-0J &$#.A)'& 0 8 3,205,2*- 7//7*+03,* ,66 0+/241- G # 38)&#/ IF 2/,* 2*+ 7G, 7/=5769,*- 60/*760 ,* 6.0 7G, -2 3054--760 7*3 52.0/0*6;/756- D /""-/ S G 2 57 =5,*7 2 %,*07/ -4; :0:;/7*24- -1/073,*+ B /""-/ 2/ E G # 38)&#/ -017 - - %7 60/H *760 8,6.6.0 -017 - G /""-/ 5 2/ $ T G # 38)&#/ >5 :#!/ '8$& /00 0>47 J /8$%'"&,*6/2/-0;7-, ,G03 2 2112-,60 50 -210*,*+ 2*+,643,*7 = [@ 2 -410H /,2/ 2 T -06, 2/: 2;0- 2/ 8,6.246 7117/0*6 2;0- G /""-/ 5 2/ /0 37503;=,*?2 45/760;/756- G # 38)&#/ % ,* 0/,2/ B(50 03J &$-!'& H V5 7 60/*760 8,6. 6.0 10/,7*6. 2;0- 52?0/03 8,6. -6,+,*76,5 171, 60J 3(9!'& -2 ,67/= 2/ +0: ,H *760 -4-10*303;= 4*,5 0- /2: 6.0 621 2 6.0 50, 7*76/212*- 0 7 ;0//= G /""-/ 2/ 571-4 0 G # 38)&#/ 5 5/28*03;= 6.0 10/-,-60*6 -6= 0- %= T

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O0‘ -;7 ‘ .0/07 60/‘ ,*3,5760‘ 6.0‘ 7 ,,*,6,0-‘ 2‘ /.#>#:3!#/2'$ ‘ 8,6.‘ 6/%"#/8'2 ‘ 7*3‘ 1#.&/2'2'‘ .6‘ 7 ,*,6=‘ 8,6.‘ +9%#/2'2"‘,-‘ :45.‘ :2/0‘2;?,24-J ,6‘,-‘ 24*303‘ 2*‘ 6.0‘01,+=*24-‘ ,-2-60:2*24-‘ 52/2 7‘6.0‘ -0?0/7 50 03‘2?7/=‘6.0‘7G,0‘0:;/=2‘,*‘ 7‘6.,59‘ 0-.=‘7;4:0*‘6.0‘2112-,60‘ 07?0-‘7*3‘9*266=‘-60:‘ :2-6‘6.0‘2* =‘3, 0/0*50‘,-‘,*‘6.0‘,:;/,5760‘52/2 7‘7*3‘6.0‘7;-0*50‘2‘-6,14 0-‘ .0‘-4; 2/30/‘2‘ / % 22‘,-‘5 2-0=‘7 ,03‘62‘ 3"8'2'5 8.,5.‘2* =‘3, 0/‘,*‘6.0‘ :7*=‘1067-‘?7 ?760‘,*‘;43‘ .0‘ -7:0‘7 ,*,6=‘:7=‘;0‘ *26,503‘8,6.‘ "/!#/2'2"‘7*3‘ %'!!#:'"2 E‘;46‘6.0-0‘;0-,30-‘6.0‘12 =1067 24-‘7*3‘ ?7 ?760‘52/2 7‘3, 0/‘ /2:‘ /.#>#:3!#/2'2"‘,*‘6.0‘7 60/*760‘07?0-‘7*3‘6.0‘4:;0 03‘2/‘571,6760‘,* 2/0-50*50‘ *‘7*7 2+=‘.7-‘7 -2‘;00*‘12,*603‘246‘;068 00*‘6.0‘ -)"/87'$''D2‘ /?#:"/7'2&‘7*3‘ 6#%9 ?2'

/."#:3!#/2'2‘,‘*.7;,6‘6.0‘60:10/760‘/0+,2*-‘2‘6.0‘*2/6.0/*‘ .0:,-1.0/0‘0-105,7 =‘50*6/7‘ -,7‘6.0‘ *2/6.‘2‘ *3,7‘7*3‘2‘ :0/,57‘ ‘-:7‘*4:;0/‘_:7*=‘ ,;4/*,,:-!',*.7;,6‘6.0‘,*60/6/21,57‘M2*0‘1/OH 0//,*+‘6.0‘:24*67,*-‘8.0/0‘6.0‘60:10/764/0‘,-‘52 30/‘ .0‘ 30/‘7‘52-:212 ,67*‘+0*4-‘,-‘ /01/0-0*603‘ ;=‘7‘?0/=‘ 08‘-105,0-‘,*‘6.0‘-246.0/*‘.0:,-1.0/0‘ YT %'93& #/‘,-‘7‘ 08‘h07 7*3‘+0*4-‘/0:7/97;0‘2/‘ 6.0‘,*60*-0=‘-8006‘2324/‘2‘,6-‘ 280/-S‘ .0‘ 280/-‘2‘:2-6‘ /."#:3!#/2'2'‘0G.7 0‘7‘-8006‘2324/‘0-105,7 =‘ 760/‘-4*-06‘ .0=‘52*67,*‘7*‘75/,3‘;,660/‘7*3‘7-6/,*+0*6‘1/,*5,1 0‘8.,5.‘.7-‘574-03‘-2:0‘62‘;0‘1 7503‘ 7:2*+‘:03,5,*7‘1 7*6-‘ .0‘;0//,0-‘2‘6.0‘ 2*0=-459 0‘G! #2'"/‘ /."#:3!#9 4‘7/0‘3,4/06,5J 6.2-0‘2‘)‘ -!3&$'9‘7/0‘7G76,?0‘ .0‘-60:-‘2‘ 1#'" /‘2/8/)'8&#&‘7/0‘0:1 2=03‘7-‘7‘3014/76,?0‘,*‘ 2/6.‘ :0/,57‘ .0‘/226-‘2‘6.0‘52:::2*‘ - .%3"#'2!".3&‘./"(#:#3"/5‘7 7/2,*‘7‘-./4;‘7/0‘4-03‘;=‘6.0‘ :0/,57*-‘ 7-‘7‘0;/,4+0‘ ‘6.0-0‘-105,0-‘7/0‘54 6,?7603‘,*‘ 4/2107*‘+7/30*-‘ .0‘52:::2*‘ 30/‘DA / ,929& 8#7"/‘1/23450-‘*4:0/24-‘;0//,0-‘8.,5.‘7/0‘522903‘7*3‘0760*‘,*‘ 0/:7*=‘_7*3‘7-2‘0G60*-,?0=‘4-03‘,* 6.0‘:7*4 7564/0‘2‘8,*0S‘ .7/:75,-6-‘1/017/0‘ /2:‘6.0-0‘;0//,0-‘7-‘7-2‘ /2:‘6.2-0‘2‘ ‘ ,$)9&5 7* 0G6/756‘2/‘14/+76,?0‘"3,‘ .0‘3/,03‘ 280/-‘2‘6.0‘52:::2*‘ 30/‘7/0‘7*‘0G50 0*6‘-432/,,5‘0:1 2=03‘ 7+7,*-6‘-*790;,60-J 6.0=‘7/07-2‘4-03‘62‘+,?0‘62‘50/67,*‘8,*0-‘7‘ 4-576‘ 7?24/

.0‘ #882'/‘,3"'/!#&5 7*‘0 0+7*6‘0?0/+/00*‘.0/;‘7;24*3-‘,*‘6.0‘ 2/0-6-‘2‘ 8030*‘6.0‘524*6/=‘2‘ ,**-04-‘62‘8.2:‘,6‘.7-‘;00*‘303,5760 3‘ 803,-.‘32562/-‘/052:::0*3‘,6-‘-60:‘7*3‘ 07?0-‘7-‘3,4/06,5-‘ 7*3‘-432/,,5-

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&' ' 08' &' @?@* A' / +5' +9+8*:0;0@?' F;0++A' D0 ;+9=' ?+9B ?' M ' OCCO?+9' bO8' / 08 9=]#' ? B C 9#' @?@* A' 9;+89#' ?+ C@ *+9'' &$#.9!'& -*8 0@?#' 6?0B 9+ B 9?' 899#'?0B 9+ B 9?'@;+9='+0'+F9' 9* '08'+79';9 :7>0@8 ;:'?+ C@ 9#'?0B 9+ B 9?' 9* F9#'*;='*CC9*8 ;:'+0' 08B'*'/ 708'/ +7'+79' 9*-9?#'>@+' =?+ ;:@ ?79='>A'+79' *>?9;49'0 '>@=?#' * '@?@* A':#'-98A'8*89 A'@;?95@* #'?0B 9+ B 9?'?@> 889:@ *8#' :9;98* A'4ABO?9#'C*; 4 9='08'4*C +*+9 ' "$'?@C98 08'08'?9B ?@C98 08#'+@>@ *8#'08' =99C A'4@+'08' N ='08' +00+79='08' ' '?@C98 08#' B ;0C9+* O@?#' C@;= ' >@ 08B '08'7AC048*+98 08B '08' 80+*+9' b8*89 A' *> *+9#' '8"#M9'J#/5 1#2%#!/8$%'5 U4]'' !# ,5 0 ' N'?9:B9;+?#'@?@* A'9R@* #'B?+-*+0;'-* -*+9#'8*89 A'40;+08+9='08' B>84*+9 ' = ' N'b ';' /"'!'"%/88#/'*;='-!(#/8$%9&`5 ;?98+9='0;'+79' +@>9#' -98A'8* 9A'40798 9;+'' /8$%'"& ;+.0 8?9#' > 04C *8#'=97?49;49' 0;: +@= ;* #'= ?+ ;4+#' -98A'8*89 A'40798 ;:' ;'*'+@>9 ' # 7;98 08#'> C@8 04@ *8#'480/;9='>A'*'B089' 08' 9??'=9-9 0C9=' 9?7A'=?F'' &$-!'5 ? B C 9'> ='08'B ! + =#' ?+ :B *+ 980@?'*+'+79' ,+0C'08' ;;98'?@8 *49?'08'?=9?'0 '+79'*8B ?'' 3(9!'&?0 +*8A'08' '08'B089' ;'9*47' 9 #' 9894+'08'C9;=@ 0@?#'08'-9;+8* A'*++*479='+0'+79'49;+8*''*;: 9'08'?9C+@B'0 '+79'49 #' 08'+0'7'C80B ;9;+' C *49;+*#'*;*+80C0@?' 8'?9B 4*BCA 0+80C0@?' - '*' *C?@ 9#' >98 A'08'=8@C9' = ' ;'-*8 0@?CO?+0;?'' /!,9 '8' 9?7A'08' 4*8+ *:;0@?#'08' * B 0?+'708;A#'8*89 A'?4*;+A'08' #'?0B 9+ B 9?';-0 @+9' " '?+8* :7+'08'4@8-9=#';' +79'>*?9'08'*5 ?'0 '+79'*>@B 9;'' 23$-!')38&' *+#'8*89 A';-0 @+9'' "/)#2!'5 @?@* A' ;98 08

b F9+47'0 '+79'*88*;:9B9;+'0 ' 9,#/2'3'' ;0'+8 >9?#*?' 8949;+A'40;?+8@4+9='08' +79'U 9;98*' *;+*8@B'.)1

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!' % ' ' V1 080 * 0>9?'-*-*+9# B>8 4*+9'08' 40;+08+9=' *C?@ 9' 49$ 9=# ?99=?'/;:9=' #82%38/5 /&2/"#!!/5 /)'8%'"7#/5 3 /")#/5 +/8'$$#/5 #8)&#/5 #!!#/5 ?3>' &$' /5 28!#/5 =2

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' ' # 4P8 080 * 0>9?'-*-*+9' *C?@ 9' 49 9=' 99=?';@B980@?# B ;@+9#;0+' /;:9=' 899?*;='?78@>?' 38)/ #8'/5 3"$!/8)8/5 #F!)/54 #8%8'-/5 U4

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C 00'7-2'4*30/'6/,;0-' /"#'8#'<'7*3'+3"#8)'

N 3" ' ! 6

7*+4 7/' *26' 8,*+03' 0/;-J' /7/0 =' -:7'-;/4;-' 1'##$)!/5' "-3&!2 /5' #8!/&5')-3$#$5
' " 'F " ' ! 1 ' # '=' '

4; -0/,0-' ' /4,6' 0-;=' 2/' 52/,75024-',*30 ,,-50*6

!!' ' 4--, , B 2/2 7 2;0-' ?7 ?760' 003-' ?0/=' *4:0/24-':,*460'4-47 =' 7*+ 03' " 'A ':?# ' ' # !# ##" 'C ' D! #" '"0

!!' ' - MB 2/2 7 2;0-',:;/,5760' 2/' 52*62/603' 003-' ?0/=' *4:0/24-' :,*460'7*+4 7/' # ' (('$ ':# '=

!!') ' ! ! M5 2/2 7 2;0-' ?7 ?760' 003-' :7*=' /76.0/' 7/+0' 52:1/0--03' ' + '"5

!!') '(GB 2/2 7 2;0-'52*62/603' 003-' 08'2/':7*=' 7/+0'7*3'52:1/0--03' 2/'-:7 0/'7*3' 7*+ 03' # ' D " '$" ' @ ' " '$ # #* ' 9'E' ' $ ':' ':! ' " ' " + '$!# ! 'G

' ' ?4 0-'+0:,*760',*'075.'50 ' D 00'7-2' /,;0' ' @"? &/

!!') ' 1 1 KB 2/2 7 2;0-' ?7 ?760' ?7/=' T 50 03' 2?4 0-' *4:0/24-' 71-4 0'T ?7 ?03' :4 # ' ! #"

!!') ') KB 2/2 7 2;0-'52*62/603' ?7/=' E ' 50 03' /410' 8,6.' E ''1=/0*0-' $! ## 'F "

' ' ?4 0-'-2,67/=',*'075.'50

' 4; -0/,0-' ' 73,5 0'-410/,2/

P !!') ' ' !KB 2/2 7 2;0-',:;/,5760' 2/'?7 ?760' 67:0*-',*-0/603'2*'6.0' 52/2 7 6./276' 003-' 10*34 24-' /2:'6.0' 621' 2'6.0' 50 '4-47 =' 0G7 ;4:,*24-' 8,6.' 7' 6.,590*03' 4*,5 0' :" ' ' # ' " ' # # ' # ' # ' =3

!!') ' R .!K 5 2/2 7 2;0-' ?7 ?760' 67:0*-',*-0/603'2*'6.0'6./276'2'6.0' 52/2 7' 003-'52:1/0--03'7;4:,*24-' F 1 '

!!') ' KB 2/2 7 2;0-' ?7 ?760' 2/',:;/,5760' 67:0*-',*-0/603'76'6.0' ;7-0'2'6.0'52/2 7' 003-'7;4:,*24-' 3 # ' ':' '"5

!!') ' $!! KB 2/2 7 2;0-'52*62/603' 67:0*-',*-0/603'2*'6.0'6./276'2'6.0' 52/2 7' 003-'7;4:,*24-' : ! ' # 'G

!!') ' < / KB 2/2 7 2;0-'?7 ?760' 67:0*-',*-0/603'2*'6.0'6./276'2'6.0' 52/2 7' 003-'7;4:,*24-' # '%: " /'&E +" ':" '"5

4; -0/,0-' ' 73,5 0',* 0/,2/
'AM' : ## '

!!') ' 6. KB ?4 0-'76675.03'62'6.0':,33 0'2/'7;246'6.0':,33 0'2'6.0'50 ' /7/0 =';7-,7/' ?3"/5' /('$$/5' 3::'/5' + -38# /5' $8 #.:#/5' =

' ' 3"3!!/'(/!(/$'
+' "# ' ' ' ! " ' ' ' # 4' ' #

!!'C6C' KB 280/-'2 60*'4*,603';='6.0'57 =G 64;0',*62' .073-' '
' # '"5
6' 6' "# ' # ' ' ! "

!!')) ' KB ?7/=' 50 03'2/'8,6.'7*'0?7*0-50*6'-0164:' /4,6' -00303 39&&/"'/5' /"/ '/5' "5

1 ! !' 3 3 ' - , !, 67 : 0*-' ,* -0/6030' 2*'6. 0'6. / 276' 2 '6. 0' 52/2 7' 6,+ : 7' 0*6,/0' 2/' -6= 0 7/ : -' -. 2/6' /7,6',*30.,-50*6' &# 2%3$"#/5 /!#'39"'' /5 9)7'/5 '2!# ?#/5 '3.%#!/5 '.%/'!#&5 #3&#/8$%9&5 9$'"#/5 /."3& /5 &/$!#-"/5 U4

! ' 3 3 ' 2 M 1 +*B9;? ;?98+9=' 0;'+79' +780*+' 08' 7*?9' 0 ' +79' 4080 *' -*8A' 49 9=' ?+A 9 *8B?' 08B' 8@ +' 4*C?@ *8' 08' 0 ' ' 4044 ' 49=98 G?# -73)#&3)'/5 / #!>' $38#/5 '.$3)'" #&5 U4

! ' 3 3 ' $! - K 1 0/`8'@?@* A'@; ? 95@*7' +* ;9;?'@?@* A' ;?98+9=' *+' +79' >*?9' 0 '+79' 4080 *' -*8A' 49 9=' +A 9' 9;+ 89# 08' *8B?' 08B' 8@ +' *' >988A# 08' ;E =97 ?49;+' 9$3"#/5 "3'-!!#&5 +#$2!#'!!/5 '"#&&/5 3."3& /5 8$F3&.'" < 5 %-!! 5 .#"'9!/"#/A' 3 /?5 = ' A

P 6' 6' 6' (9!'& /$$/2%')' $3 $%" &'.$9 5 / .%#$"3.39&' L

! ' 3 3 " ' $! G 1 98>?'08'?B* '?78@>?' 9*-9?'@?@* A'0CC0? +9' ;=?+ C@ 9?' ?9+0?9' "#3)38& #3)#/5 /#!!38#/5 ."' /2/2'5 ! '3"+ 5 +#$"/$/".9 5 #3%/")&38#/5 =3

!G 3 3 "' ' 5 98>?' 9*-9?' *;=?+ C@ 9?' ? B *8# 08B ;:'*' /7008' /! .' #& 6/#!!/8$#/5 9%#/5 /!#9 5 &."'(/5 '#/@8'!!/5 %'"/")#/5 U9# 1 ;]

O 0'.7?0',*3,57603'6. 0'7 ,*,6=' 2' 9%#/3'/' 8,6.' /."#:3!#/2'2& 7*3C #.&/''2 ' D-00' 6.0-0' 7 : , ,0-F' .0' #) 2'$'' 8,6.' : 7*= 2?4 03' 5 -' 7/0' 7 ,03' 62' 37/8#/2'2'',*' 7 ' 6.0,/' 5.7/7560/-' 7*3' 7/0' 2* =' 3,-H 6,*+4,-.03' ;=' 6.0,/' 01,+=*=' '8$#/8'$'5 !'#8'/5 7*3' . 2-8' ' 7 -2' 711/275.' 6.0 : ' 7 6.24+.' .=12 ' +=*24-' ,*' 6.0' 2112-,60' 07?0-' -0-6,?76,2*' ,-2-60 : 2*24-' 52/2 7' 7*3' 6.0' 1/0-0*50' 2' 7 ;4 : 0*' 2 : 0' ' '"/2'2'' 7 -2' 711/275.' 6.0' -056,2*' 3::'/2'('5 7-' -.28*' ;=' 6.0,/' 8.2/ 03' 2/' 2112-,60' 07?0-' 6.0' X30?0 21 : 0*6' 2'6.0,/' /05016754 7/' 5414 0'6.0'?7/,03' *764/0' 2'6.0,/' /4,6'7*3' 6.0' 1/0-0*50' 2' 7 ;4 : 0*J ;46'6;0=' 7/0' 8,30 =' -017/7603' ;=' 6.0' 3,3=*7 : 24-' -67 : 0*-' 4*, 254 7/' 2?7/=' 7*3' 17/,067' 1 750*676,2*

9%#/2' ' : 2-6 =',*.7;,6',*60/6/21, 7'/0+,2*-'J _;46' /!#' '7/0' 7 : 2-6' 0G5 4-,?0 =' 60 : 10/760S' .0' 1/,*5,17' : 03,5,*7'-105,0-' 2'6.,-' 7 : , =' 7/0' 0G26,5J' 7*3' 2'6.0-0' 6.0' : 2-6' , : 12/67*6' 760' k4,*,*0' 7*3' 1057547*.7' .0' 7660/',-' 6.0' /226' 2'7' ,66 0'-./4;'7' -105,0-' 2' '.%/'!#&5 ,*.7;,6,*+' 6.0'?,/+,*' 2/0-6-' 2' /7M,J 6.0';7/9' 2'6.,-' /226'.7-' 7*' 75/,3' 67-60' 7*3' 7' *74-024-' -: 0 E',6' 2*67,*-' 7*' 7 97 2,3' D'8<$#8' 5 ,9$#8' 1/756,50' 6.0' : 26',-' 1/0 0//03' 61' 6.0' 7 97 2,3' .,-' : 03,5,*0',-' ,*?7 47; 0',*' 3=-0*60/=' 5 7-6. : 7' 8.221,*+ 524+.' 7*3' 0-105,7 =' 140/10/7' 0?0 ' k4,*,*0' -' =,0 303' ;=' 6.0' ;7/9' 2' -0?0/7' -105,0-' 2' #83%'8/E 6.0=' 7/0' 0?0/+/00*' 6/00-' 2/'-./4;-',*.7;,6,*+' 6.0' ?7 0=-' 2' 6.0' *30-' 2' 0/4' 76' .0,+.6-' ?7/=,*+' /2 :' % $$$' 62' $$$' 006' 7;2?0' 6.0' 0?0' 2' 6.0' -07' .0' ;7/9',-' ;,660/' 7*3' 52*67,*-' 682' 2/+7*,5' 7 97 ,-' DM9#8#8 '' 7*3' 2#82%38 ']5 *,603' 62' 7' -105,7' 75,3J ,6' 52*67,*-' ;0-,30-' 52 24/,*+' : 7660/' 7' 766=' : 7660/' -67/5.' +4 : ' "5' .0' 1/017/76,2*' 2'6.0-0' ?0+067; 0' 7 97 ,-' ,-' 6.0' : 2-6' , : 12/67*6' -0/?,50' 6.76' 5.0 : ,-6/=' .7-' /0*30/03' 62' : 03,5,*0'-,*50' 6.0' ;0+,**,*+' 2' 6.0' X*,*0600*6.' 50*64/=' 2/' 8,6.246' 0GH .74-6,*+' 6.0' 176,0*6' 0*2/ : 24-' 32-0-' 2' >4,*,*0' : 7=' .0' 73 : ,*,-60/03',*' 7' 52*50*6/7603' 2/ : ' 0 056,*+' 6.0' : 2-6' 3, ,54 6' 54/0-' k4,*,*0',-' 6.0' : 2-6' 1280/ 4' -105, ,5',*' 57-0-' 2' ,*60/ : ,660*6' 0?0/-' D2' 8.,5.' : 7/-.' : ,7-: 7',-' 6.0' : 2-6' 52 : : 2*' 574-0FJ 756,*+' *26' ;=' *046/7 ,M,*+' 6.0' : ,7-: 7' 7' 524*60/ 12,-2*' 824 3' 32' ;46' ;=' -6/0*+6.0*,*+' 6.0' -=-60 : ' 7*3' 6.4-' 0*7; ,*+' ,6' 62' /0-,-6' 6.0',*50--7*6' 766759-' 2' 6.0' : 2/;,,5' 574-0' 0-,30-',6-'?,/640-' 7-' 7' 0;/, 4+0' >4,*,*0',-' 7',/-6 5 7--' 62*,5',*' .7-60*,*+' 52*?7 0-50*50' 7*3' /0-62/,*+' 6.0' 3,+0-6,?0' 4*56,2*-' 7-6 =' ,*5.2*7';7/9',-' 4-03' 24687/3 =' 7-' 7*' 7*6,-016,5' 62' 7//0-6 6.0' 1/2+/0-' 2' +7*+/0*0' J ,6-' 7*6,-016,5' 1/210/6,0-' 7/0' .280?0/' *26' 340' 62',6-' 0;/, 4+7' 1/,*5,1 0' ;46' 62' 6.0' 7-6/,*+0*6' 1/,*5,1 0-' 8,6.' 8 .,5.' 6.0' .7/9' 7;24*3-

.0' : 0/,57*' +0*4-' %#32329/5 ,90' '.%/'!#&5 ;0 2*+-' 62' 6.0' 4*,2?4 760' -056,2*' -2 : 0' 105,0-' 2' 8.,5.' 12--0-' 7' /226' /014603' ?7 47; 0' 7+7,*-6-*790 ;,60-J 6.,-' /226' 9*28*' 7-' '/#8M/5',-' 4-03',*' 4/210' 7-' 7' 3,4/06,5' 7*3' 14/+76,?0',*' 57-0-' 2' .=3/21.2;,7

'7 '6.0' 9,#/2'2'' 2'6.0' 3' O 2/ 3' 6.0' 2 00',-' 6.0' : 2-6' *26,507; 0' J 2/ : ,*+' 7-',6' 320-' A8,6.' 52662*' 7*3' -4+7/' 6.0' -671 0' 2'6.0' : 7/,6, : 0' 52 : : 0/50' 2' 4/210' .0' 2 00' -' 7*' 0?0/+/00*' -./4;' 7' *76,?0' 2' ;=--,*,7' 8.,5.' 87-',*6/234503' 6./00' 50*64/,0-' 7+2',*62' /7;,7' 6287/3-' 6;0' 5 2-0' 2' 6.0' -0?0*600*6.' 50*64/=',*62' !7?7' 7*3' ,*7 =' *764/7 ,M03',*' 'T$',*' 6.0' *6, 0-' .0' -003' 2' 6.0' 2 00' =,0 3-' ;0-,30-' ?7/,24-' 2, =' 7 ;4 : ,*24-' 7*3' +4 : :=' : 7660/-' 7' ;,660/' 1/,*5,1 0' 52*67,*,*+' 7*' 2/+7*,5' 5/=-67 ,M7;0' 7 97 ,' *7 : 03' '/::'#8$ 7--25,7603' 8,6.' 7' 1054 ,7/' 75,3' ' - ,+.6' /27-6,*+' 30?0 21-' ,*' 6.,-

-003 6 . 76 7+/007 O L 7/2 : 7 7*3 67-60 2 ' 8 . ,5 . ' 73?7*67+0 . 7- .00* 6290* 62 1/017/0 7 3/,*9 8 ,,5 . ' -105,7 -6, : 4 760- 6 . 0 4*56,2*- 2 ' 6 . 0 . /7,* ' 2 6 . 2-0 8 . 2 32 *26 . 7 ; ,647 3/,*9 ,6 ' 526 02 : 7= ;052 : 0 7 4-0 4 ' : 03,5,*0J ,6 -455003- ,* 6 . 0 6/076 : 0*6 2 ' ,*60/ : ,660*6 0?0/ - J ,6 /0 ,0?2- 7-6 . 4,* 7*3 ,6 ,- -7,3 +246 7 -2J 7*3 ,6 524*60/756- 6 . 0 0 056- 2 ' 8 ,*0 2/ 2 ' 21,4 : ' 6- : 2-6 1/0?7 0*6 4-0 7- 7 : 03,5,*0 ,- ,* 54/,*+ . 07375 . 0

2 : 0 ,*3,+0*24- $9%#/2'2 80/0 2/ : 0/ = 4-03 7- : 03,5,*0- J 6 . 4- 7* ,* 4-,2* 2 ' 6 . 0 280/,*+ 621- 2 '6 . 0 0 28 ' 7 ,4 : ' 87- +,?0* 62 *4/-0- 62 ,*5/07-0 6 . 0 -05/06,2* 2 ' : , 9 ' 7*3 *- 7* 7*6,-17- : 23,5 ' . 0= 7/0 *28 0 : 1 2=03 ,* : 7*= 524*6/,0- ' 7*3 0-105,7 = ,* *+ 7*3 ' 62 +,?0 7 =0 28 52 24/ 62 5 . 00-0 ' . 0 >4,*7*5= D &. '"9!/ 2-8/8 '%#2/ ' 6 . 0 07?0- 2 ' 8 . ,5 . ' 52*67,* 7 ; ,660/ - ,+ . 6 = 7-6/,*+0*6 1/,*5,1 0 ' 87- 4-03 ,* 57-0- 2 ' 7*+,*7 ' &. '"9!/ 3)3"/$/5 6 . 0 10/ 4 : 0 2 ' 8 . ,5 . ' 52 : 0- 246 8 . 0* 3/,03 ' 87- 1/7,-03 7- 7 62*,5 7*3 ?4 *0/7/= ' ,6 ,- *28 2* = 4-03 62 +,?0 7 ; 24>406 62 . ,*0 8,*0- ' 7*3 +7/30*0/- 54 6,?760 ,6 7- ' 7* 03+,*+ ' 7330/ D + 9%#/ $#82$3"<#8 ' +/28- 8 , 3 ,* 6 . 0 03,60//7*07* /0+,2*J ,6 ,- 54 6,?7603 76 ?,+*2* ' ,* ' -750 ' 7*3 ,* h07 7*3 2* 75524*6 2 ' 6 . 0 /03 52 24/,*+ : 7660/ 52*67,*03 ,* 6 ,0 /226 ' 7*3 8 . ,5 . ' ,- 7/+0 = 4-03 2/ 3=0,*+ 7 ; /,5- ' . ,- 3=0 ' ,* 7 14/0 -6760 ' ,- 57 0C3 /!#J/"#8 ' ' $ 7 -2 0G,-6- ' ; 46 ,* 0- >47*6,6= ' ,* 6 . 0 /226 2 ' 6 . 0 !#/-/>('#>5 7 4 ; ,7502*- 1 7*6 8 . ,5 . ' ,- 54 6,?7603 2* 6 . 0 2/2 : 7*30 527-6 X^ /2 ; 7 ; = 6 . 0 0*+7 7330/ G + 98 ''$ ' ,- .0/0 7 4303 62 J ,6 ,- 54 6,?7603 6 . /24+ . 246 *3,7 S _ . 0 7 ; 2?0 *26,50 2 ' 6 . 0 4-0 4 ' $9 ,#/ '' / : 4-6 ;0 7/+0 = 0G60*303 J ?0/= : 7*= -105,0- 52*67,* ; ,660/ 0 ; /, 4+0 1/,*5,1 0 - ' 0-105,7 = (3&$' /5 +38) '!'$#/5 7*3 38)/ #8 '/ ,* 246 . : 0/,57 J 7- 7 -2 #8F> : 0=7 ,* 7/2 ,*7 ' - ')#2$-38 ,* *3,7 ' 7*3 6 . 0 .%#3"%#J/ + 98-3& D 7/6 . +7 F ,* 6 . 0 7 7=7* - 7*3- ' 7 : ;,/ ' 2*0 2 ' 6 . 0 : 2-6 , : 12/67*6 2 ' 7-6/,*+0*6- ' ,- 6 . 0 1/23450 2 ' 8 '/"#/ / ,#" ' . 0 : 0/,57* + #2%/") & #/ &2/%"/ ' 7*3 26 . 0/- =,0 3 2*0 ?7 47 ; 0 7 -0 1057547* . 7 ' 7*3 6 . 0 &-2%3$"#/ ' '$#2/ ' 7*26 . 0/ ' . 0 /4,6 2 ' 6 . 0 *3,7* /8)#/ ')9 '$3"9 ' ,- 7 1280/ 4 ' 0 : 06,5 ' : 2*+-6 03, ; 0 /4,6- 6 . 0 0*,171 ' ,- 6 . 76 2 ' '8#. /' / '"#2/8/5 6 . 0 *76,?0 075 . ' 2 ' /,57 , - 6 . 0 /4,6 2 ' /"232' . %/!9& '& F/$9&5 7*3 6 . 0 27?7*+7 2 ' 737+7-57/ 6 . 76 2 ' 6/8-9 '"#/ ')9!#& B %U

)) ' 6

- ' &A2$#3 ' ') ' $ / ??+=++ 1 < 4 ' 1 ' 1 < ! G #8)!

2 ' /83 . '$/!39&5 ' . #7-839&5 2 '&$#(/$#38 # , "#2/$' ' - ' D 5@ 5?(N4 #8K &'"$') ' 38 $%" 23"3!!/>$9, ' ' % ' V>I '!!') 5 $<3 2 '!!& <#$%39$ 3(9!'&5 $%" ' $%#") ' N>3(9!') " ! ' . '8)9!39&5 /8/$"3 . 39& ' " - ! ' '?/!,9 #839&

47 - 8 ,6 , ' - 0*30/ ' ,*232/24- /226- ' 2/ 10/0,7 - 8 ,6 , ' 7 4-47 = -6/2*+ -50*603 /. ,M2 : 0 ' G /73,57 ' 7-5,5 03J 574 ,*0 2112-,60 ' -, : 1 0J 106,2 0 3, 7603 ' 0G ' -6,14 760 ' 0 8 ' 10/ 056 ' 2/ 4*,-0G47 ' ; = 7//0-6 , ** 7 3,5 . 262 : 24- 5= : 0 2/ 5 2-0 52/= : ; ' 2/ -2 ,67/= ,* 6 . 0 2/9- ' 7*3 ; /7560760 ' . ' -410/,2/ ' -2 : 06, : 0- 546 ,*62 (%' 755/0-50*6 6006 . ' 2/ /034503 62 7 -,*+ 0 6226 . J -2 : 06, : 0- 2 ' ; /,-6 0- A8 . ,5 . ' 7/0 ,*?2 460 ;0 2/0 280/,*+ ' 8 . 0* 6 . 0 = 4* 2 3 ,* 62 7 1 4 : 2-0 305,3424- 5/28 * ' ' : 2*21067 24- ' ,*-0/603 2* 7 3,-9 5/28 *,*+ 6 . 0 621 2 ' 6 . 0 2?7/= 64 ; 4 7/ ,* 4*3, ; 4 , ' 2/ : J $9, '' /0+4 7/ ' 2/ 1/234503 76 ,6- ; 7-0 ,*62 7 9*2 ; ' 2/ . 2 28 -14/J !# , ' 8,6 . ' E % (' 0>47 ' 2/ -* ; 7 ; ,760 ' 2 ; 0- ' 70-6,?76,2* , : ; /,5760 ' - ' ,*-0,C603 7 ; 2?0 6 . 0 : ,33 0 2 ' 6 . 0 52/2 7 64 ; 0 ' 7 60/*760 8 , 6 . ' ,6- 3,?,-,2*- ' /7/0 = E ' 4-47 = %' ; = -41H 1/0--,2* 2 ' 6 . 0 12-60/,2/ -67 : 0* ' 2/ (' ; = -411/0--,2* 2 ' 6 . 0 12-60/,2/ 7*3 7 ' 760/7 ' -67 : 0* -2 : 06, : 0- ' 6 . 0 12-60/,2/ 2* = ,- 30?0 2103 :#!/ '8$& 3,-6,*56 ' 0G-0/603 D /8$%'"& ,*6/2/-0 ' T 50 03 ' 30 . ,-50*50 2*+,643,*7 ' % ' ,* 0/,2/ ' (50 03 ' 682 50 - 0 : 16= ' 6 . 0 6 . ,/3 0/6, 0J &$-!' -, : 1 0 ' , , 2/ : ' ' &$#7 /' 4*3,?,303 2/ T (,3J 3(9!' -2 ,67/= ' 10*34 24- /2 : ' 6 . 0 621 2 ' 6 . 0 50 ' 7*76/2124- o ' 3/= ' ,*30 . ,-

3 - - ' & (/ %O (. % %

0/9ŧ GB*: I

8*;?-9ŧ?9 ?94+ 0;?0' (0/9ŧ*;=0-*ŧA' GB*: I

9*8 Aŧ8 C9' (8@ >' GB*: I

+80+ ?-9ŧ?9 A GB*: I8 "9ŧ+ 4*' ?94+ 0;' 0' ?9ŧ= GB*: I 8@ >' 4@>'

50*6' 52/,75024-' 2/' : 0*,; /7*2*-' (50 03' 2/' 50 03' -411/0--,2*' 2 ' 6 . 0' 0 : 16=' 50 -' 7 87=-' -00303' ' ,*/0/603' " - ! ' -6/7,+ . 6' 0G7 ; 4 : ,*24-J "/)#2!' -410/,2/

X' 7 0/,7*7' P 0*6/7*6 . 4-' X' 03,7' P 7 0/,7*0 7' 7/32- 75 . =-' /76,,*,7

. 0' 7 : , =' 2 ' 6/!'"#/8'$" ,-' ?0/=' *07/' 1#. &/2'2'E 7-' ,*3,5760 3' ;=' 6 ,0,/' 2112-,60' 07?0-' ,//5 1, */' 60/ : ,*7' 280/-' 01,+=*24-' 64 ; 4 7/' -67/3,*, 0/24-' 5+/2 7 ', : ; /,5760' : -6,?76,2*' -2 ,67/=' 10*34 24-' **7' 6/21247 2?4 0' 7*3' -, : 1 0' -6= 0' . 0' 3,7+*2-,-' 52*-,-6-' ,*' 6 . 0' 52/= : ; , 2/ : ' 5= : 0' 6 . 0' 6 . /00 50 53' 2?7/=' 7*3' 6 . 0' 0G7 ; 4 : ,*24-' -003' 69!'"#/8'<' 711/275.' 3 .3&#$2'' ,*' 6 . 0,/' 6226 . 03' 2/' 1 4 : 2-0' 57 =G' 0*,+=*24-' -67 : ,*, 0/24-' 52/2 7 0' 7*3' -2 ,67/=' 0G ; 4*,,*24-' -003' ' 6 . 0=' 7, 0' -017/7603' /2 : ' ,6' ;=' 6 . 0,/' ,* 2/0-50*50' 6,?76,2*' *0/?76,2*' 2 ' 6 . 0' 52/2 7' /00' 7*6 . 0/- '6 . /00 50 03' 2?7/=' 7*3' 10*34 24-' 2?4 0' . 0=' 2 0/' -2 : 0' 7*7 2+=' 8,6.' /."#:3!#/222' ,*' 6 . 0' 60/ : ,*7' ,* 2/0-50*50' 2112-,60' 07?0-' 0-6,?76,2*

01,+=*24-' 52/2 7' -0?0/7 50 03' 2?7/=' 7*3' 10*34 24-' 2?4 0J ; 46' 6 . 0' 7660/' 3, 0/' ,*' 6 . 0' 8223=' -60 : ' 7@-, 0' 1 750*676,2*' 0- . =' /4,6' 7*3' 7 ; 4 : ,*24-' 0 : ; /=2

6/!''"#/8':& 7/0' : 2-6 =' *76,?0-' 2 6.0' 3' O 2/ 3' 7*3' 1/,*5,17 =' 2' 0*6/7' 4/210' 6 . 0' 03,60/H /7*07*' 7*3' 7457-,7*' /0+,2*-' 8 . 0*50' -2 : 0' -105,0-' . 7?0' 73?7*503' 07-6 8 7/3-' ,*62' ,;0/,7' 017' 7*3' !717*' . 0=' 7 ; 24*3' 2*' 6 . 0' 2/3, 0/7-C 2' 246 .' : 0/,57' 0G60*3,*+' 7 ; 4*37*6 =' ,*62' , ,' 40+,7' 7*3' 6 . 0' 7 9 7*3' - 7*3-' . 0=' 7/0' ?0/=' /7/0' ,*' 2/6 .' : 0/,57

6/ "#/8'2' 12--0-' *703, ,*7' >47 ,6,0-' 9*28*' /2 :' 7*' 7*5,0*6' 10/,23' J ; 46' 6 . 0-0' 1/210/6,0-' 7/0' : 5.' : 2/0' : 7/903' ,*' 6 . 0' 10/0**,7' 6 . 7*' ,*' 6 . 0' 7**47' -105,0-' 8 . 0/0' 6 . 0=' . 7?0' *26' 6, : 0' 62' ; 0' 0 7 ; 2/7603' . 0,/' / . ,M2 : 0-' 52*67,*' 7' ?2 76, 0' 2, ' 7' 1054 ,7/' 75,3 ' 7' ; ,660/' 1/,*5,1 0' 7*3' -67/5 . J 6 . 0,/' 67-60' ,-' 75/,3' 7*3' 6 . 0,/' 2324/' 10*06/76,*+' 6/! /8'2'' *28' /7*9' 76' 6 . 0' . 073' 2' 6 . 0' ?0+067 ; 0' 7*6,-17- ,23,5-JV 6 . 0' 1/,*5,17' -105,0-' ,-' 6 . 0' 6/!''"#/8/' ::#)8/!F5' 8 . ,5 . '+/28-',*' 4/ 10,*' 37 : 1' : 07328-' 0 6,5' 7/3' ,-' =,0 303' ;=' 6 8 2' 1,*0' -105,0-' _' 6' 2)$#2/' 7*3' /!#983)' 8 . ,5 . ' ,*. 7 ; ,6' 6 . 0' , : ,6-' 2' 6 . 0' 060/*7' -*28-' _,*' 6=/,7' 7*3' 7/,*6 . ,7S' 8 . 0*50' 6 . 0,/' / 26-' 7/0' -0*6' 62' 4/90=' 7*3' 7/+0 =' 4-03' 62' -50*6' ; 76 . -' 7*3' 7-' 7' : 03,5,*0' 6' 7 -2' 0*60/-' ,*62' 6 . 0' ?0/=' 52 : 1 ,57603' 0 05647/=' 57 03' $%''"#/M9'

. 0' 1,90*7/3' 2 '6 . 0' 7*5,0*6-' *3,7*' 7/3' 2 '6 . 0' : 230 : -' /")3&$/2%-&' /$/8#/8)5' ,-'+/076 =' 0-600 : 03' ,*' *3,7' 2*' 75524*6' 2 ',6-' 7/2 : 7' 7*3' -6, : 4 76,*+' 1,C210/6,0-' *' 6 . 0' 7**47' 6/!''"#/8'''" 6 . 0' 07?0-' 7/0' *26' ; ,660/' ,90' 6 . 2-0' 2 ' 6 . 0' 10/0**,7' -105,0-J 6 . ,-' ; ,660/*0--' ,-' /01 7503' ;=' 7' -2 : 08 . 76' ?71,3' : 45, 7+0' /0 ,0?03' ;=' 7' - ,+ . 6' >47*6,6=' 2 '?3 76, 0' 2, ' 8 . ,5 . '/0*30/-'6 . 0 : '03, ; 0J -45 . '7/0' 6 . 0' 7 0/,7*0 7-' _-105,0-' 2 ' ')#/`5' 7 : ;#-' 066450' 2/*' 7 73' 2 '8 . ,5 . ' 6 . 0' =24*+' 07?0-' 7/0' 4-03' 2/' -7 73

. P&' " BK # &' /&&#8#

0 8 '#8' /8'#8(3!92"/$'' 2/ . #$9!9 ' ' . #7-839&5' 383 . '#/!79&5' #&3C#'Q' 3838&5' 2'& (/$#38' (/!(/$'' $ ' &-87'8'&#39&' /$' $%'' , /&'' % ' ''$!')5' 3(9!')'%' '. '8)#)3/&55'/8/$"3 . 39&' " - ! '/!, 9 #839&

47' 2/' 10/0,7' ! ' ! [' 7 60/*760' -0--, 2' 8, 6 . 246' -6,14 0-' 6 (' "" %"#' "',*7571,64 4,4' 8, 6 . ' 7*' ,*?2 45/0' 2' 2*0' 2/' : 2/0' -0/,0-' 2' ; /756-' 0 8 ' -0--, 0' 2*' 7' 17 075024-' 2/' 7 ?02 760' /0501675 0' -2 : 06, : 0-' 7 ' 0/6, 0' -2 : 06, : 0-' : ,G03' 8, 6 . ' 280/-' 2' 8 . ,5 . ' (,0' 1,-6, ' ,-' -411/0--03' 6 . 0' 0/6, 0' -2 : 06, : 0-' 52 . 0/,*+' ; 0 28' 6' 2' E' 4-47 =' 4*0>47' -0+ : 0*6-' 10/-,-60*6' ',*-0/603' 2*' 7*' 01,+=*24-' 3,-9' : 2*21067 24-' /0+4 7/J 64 ; 0' 0 2*+7603' - 0*30/J !# ,' E 3' -0+ : 0*6-' 8, 6 . ' 7' 32/-7' 7*3' 6 8 2' -4 ; : 7/+,,,7' *0/?0-' 70-6,?76,2*' ?7 ?760' - ' D4' ,*-0/603' 76' 6 . 0' ; 2662 : ' 2 '6 . 0' 52/2 7 64 ; 0' 7*3' 7 60/*760' 8, 6 . ' , 6-' -0+ : 0*6-J :#!/ '8$&' 52 . 0/0*6' 62' 6 . 0' 52/2 7 64 . 0' 6 . /24+ . 246' , 6-' 0*+6 . ' /00' *07/' 6 . 0' 6 . /276' 7*3' : 2*730 1 . 4-' 2/' -017/760' J /8$%''"&',*6/2/-0' ; , 254 7/' 52 . 0/,*+' 76' 6 . 0' ; 7-0' /00' 76' 6 . 0' 621' 30 . ,-50*50' 2*+,643,*7' % ',* 0/,2/' 50 03' 2?4 03' 5/28*03' ;=' 7' 52*,57' 3,-9' *,6,*+' 6 . 0' ; 7-0' 2' 6 . 0' 52/2 7' 62' 6 . 76' 2 '6 . 0' -6= 0' ,*,*+' 6 . 0' 52,#2 7 6*; 0' 7*3' 3, 76,*+' *07/' 6 . 0' 6 . /276' ,*62' E' + 7*34 7/' 7/02 -0J &$-!'' 60/ : ,*7 ' -, : 1 0' 0G-0/603' 6,1' 5 7?760' 7*3' + 7 ; /24-J &$#7 /' 60/ : ,*7 ' + 2 ; 2-0J 3(9!'' 10*34 24-' /2 :' 6 . 0' 621' 2' 6 . 0' 50 ' 7*76/ 124-' $ ' 4-47 =' 5/28*03' ;=' 6 . 0' 755/0-50*6' 57 =G' 7*3' : 7/50-00*6' 52/2 7' -2 : 06, : 0-' 52**760' ' ,*?0/603' /71 . 0' 2*+,643,*7' 5 . 7 7M7' 71,57' " - ! ' -6/7,+ . 6' ,*' 6 . 0' 7G,-' 2' 7' 0-. =' 7 ; 4 : 0*

" ' 0 / 98' GB * : I# " ' 0 / 98' 4@+' - 98+ 4* A' GB * : I

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/ 0' ?+* B 9 ; ?'
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GB * : I

" ' = * : 8* B " ' 0 9; :88* ;?' GB * : I

" ' " '
0 / 98?' * ; =' >8* 4+?' GB * : I ' ;=8494 @B' * ; =' ?+A 9' GB * : I , " 98+ 4* ' ?94+ 0 ;' 0 ' 4 * C +@ @B' GB * : ' I

" "A " "
D8; +480 / ;9=>A+79 ;*+8OCO@?0ŒB'9 A ;=8 4 9B>8AO 99=4@+
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/!-2'"'$&,-5 2-0 =7 ,03'62 3 .3&#$'&5;46,-3,-6,*+4,-.03;=6.0*0/?76,2*2'6.0'5262 7': 2*730 d 1.24- ,7:0*6-'12-,6,2*'2'6.0'2?4 0'7;-0*50'2' 2 056,*+.7,/-'+2;2-0'-6,+:7'7*3'7;4*0*' 6',- 0>47 =*07' 1#.&/2'2&5 /2:'8.,5.',6 3, 0/-',*'6.0'760'07?0-'?7?760'70-6,?76,2*'7*3':2*730 1.24-'7*3'-=*+0*0-,24-' 67:0*-' .0'-105,0-'7/0'*26*4:0/24-'7*3':2-6=',*.7;,6'60:10/760' 246.' :0/,57

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. P& ' ')" 9 '9

' 383.'$/!39&5'.#7-839&5 2'&$#(/$#38' ##$#,"#2/$'' - '@4#8&'"$')' 38' $%"' $9,"' :' $%"' 23"3!!/' % ' N>2'!!')5 N>3(9!')5 /)8/$"' $3' $%"' "'2'.$/29!/'" $9,"' $%"397%39$ #$&'!'87$%5 3" 38!-' /$ $%"' $3.' '.'8)9!39&5 / /$"'3.39&' " -! ' /!,9 #839&

;;@*' 08' C989;;*' ! ' 0CCO?+9# 8*89 A' /708 9=# 95?+ C@ *+9' O 'C98 94+# B089' /9??' 889:@*8#:*+7989=';+0'*'=9;?9'4*C+@ @B# ;-0@' 48*+9# 0;'*';*F9='08'C* 9*490@?'8949C+*4 9# -98A'8*89 A';'*'/ 08';'+79'*5'0'+79' @CC98' 9*-9?#*;='9*47' @8;?79='/+7'*'4* A4 08B'0>40;9' ;-0@49#+79'+@>9'0' /747' ?'C++9='*+'+79'+0C'08' @880/9='9;:+7/?9#*;='+?' B>'?4*8 0@?' .' ?@C98 08# 4@C ?7*C9=# 08' ;'?9+* 90@?'?9:B9;+?' 08B ;:'*';*F9='08'>9*8=9='C @B0?9' 480/;' '?@C98 08# B0;0C9+* 0@?#+@>@ *8# ;?98+9='*+'+79'+0C'0'+79' 8949CE +*4@ *8'+@>9'' !# ,' 1 =#@?@* A' 889:@ *8#?0B9+ B9?' *> *+9# ?9?+ -*+ 0;' B>8 4*+9' - ' # 0+9;'@;9R@* #8*89 A' M#* +98;*+9'/+7'+79' 4080 * 0>9?# ;?98+9='*+' +79'>0++0B'0'+79'+@>9'':#!/ '8$&95?98+9=# = ?+ ;4+# 08'8*89 A'@; +9='; 'C* 8?' /8$%'"&' ;+8O8?9# 49 9=#=97 ?49;49'0;:+@= ;* ' % ' ; 98 08# H 49 9=# H 0-@ 9=#?0B9E + B9?'+899';'*'8949C+*4@ *8'+@>9' / 747' ?'4 0?9='*+'+79'+0C# ?0B9+ B9?' *=798 ;:'+0' +7?'+@>9'+780@:70@+' +?' 9;:+7# 08'*+'+79'+0C'0; A' &$-!'' +98B ;* # 08B# ? BC 9# @; +9='*+' +?' >*?9'+0'+79';94F'0'+79'8949C+*4@ *8'+@>9' &$#7 /'? BC 9# 4 *-*+9# 08' -98A'?708+ A' *;='@;9R@* A' 0>9=' 3(9!'' C9;=@ 0@?' 80B'+79'+0C'0'+79'49 # *;*' +80CO@?' 6F ' 9;4 0?9=';'+79'8949C+*4@ *8'+@>9' *;='+79';-0@49' ;-98+9=# +9?+*' B9B>8*;0@?# 7*8= A'?9C*8*> 9' 80B'+79'C98 4*8C' " -! '?+8* :7+# S';'+79'*5?'0'*' 9?7A'?4*;+A'* >@B9;' "/)#2!'' ?@C98 08

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_' ,1-754-' P' 2,C,*7 _' 01.7 7/,7' *746,7 P' 57;,2-7' 60/2501.7 4-

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4*> O@?7 D1 G ' 5(5(B'
*C +@ @B

4*> O@?
A' O / 98 4@+' - 98+ 4 A' GB*: I

4*> O@?
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GB*: #I'

4*> O@?
% *: 8*B

4*> O@?
8@ +' 4@+' - 98+ 4* A' GB*: I

4*> O@?
! ; OC9 ; 9=' 4*C +@ @B#' ?99 ;'
8OB' >97 ;=

4*> O@?
C ?F' O / 98 4@+' - 98+ 4* A'
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8@ +' 4@+'
- 98+ 4* A' GB*: I

#.&$$2'D ' 7/0' -2' *07/ =' 7 ,03' 62' 6h)'$#/8'D ' 6.76' ' 6 ' 30' !4--,04' 1 7503' 6.0 : ' ,*' 6.0' -7 : 0' 7 : , =' 700') .0=' G0-0 : . 0' 3$:#.3&#$W&' : ' 6.0,/' ,* 2/0-50*50 ' V8.,5.' ,*' 7 ' V6.0' +0*0/7' 0G5016 +3"#8/' ,-' 7*' ,*?2 45/760' 571,64 4 : ' ,*' 6.0,/' 4-47 =' 17 075024-' /0501675 0 ' 01,+=*24-' -67 : ,*, 0/24-' 52/2 7 ' 2*0 50 03' 2?7/=' 5/2V8*03' .=' 7' 6226.03' 2/' 1 4 : 2-0' 57 =G ' 7*3' -2 ,67/=' 7476/2124-' 2?4 0J' 6.0=' 3, 0/' ,*' 6.0' -017/760' ,*?2 450 ' 2 ' 075.' 280/ ', : ; /,5760' : -6,?76,2, ' *0/?76,2*' 2 ' 6.0' 52/2 7 ' /00' 7*6.0/-' 10*34 24-' 2?4 0 ' -, : 1 0' -6= 0 ' 60/ : ,*7 ' -6,+ : 7 ' 7*3' 7 ; 4 : ,*24-' 0 : ; /=2 ' .0=' 711/275.' /!-2 '"' ' ,*

6.0,/',* 2/0-50*50',*' 6.0' 01,+=*2*-' -67:,*, 0/24-'64;4 7/'52/2 7'2*0 50 03' 2?7/=' -2.67/='10*34 24-' 2?4 0' 7*3' 7 ;4:,*24-' -003J ;46'6.0' 2112-,60' 07?0-' , : ;/,5760' ^0-6,?76,2*' 7*3' /00' 7*6.0/-' /0*30/' 6.0',30*6, ,576,2*' 07-=

/2*+*,7/6'.7-'1 7503' #.&/2' '7*3' /."#:3!#/2'2&',*' 6.0'-7:0'5 7--'J 6.0,/'7*7 2+,0-'7/0' 24*303' 2*' 6.0,/'01,+=*24-'52/2 7'-0-6,?76,2*'10*34 24-'7*3'7*76/2124-'2?4 0'7G, 0'0:;/=2',*'7' 0-.='7;4:0*'7*3' 2112-,60' 07?0-J ;46'6.0',* 2/0-50*50' 50 03'2?7/='-2,67/='2?4 0'713'71,57'1 750*676,+*' 2/:'7'1/2:,H *0*6',*0'2'30:7/576,2*

1#.&/2'2'',*.7;,6'60:10/760'7*3'.26'/0+,2*-'2'6.0' 3'O2/3'7*3'2' /,57'-,647603';0=2*3'6.0' 6/21,5-' .0'/.,M2:0'7*3' 07?0-'2'-2:0'1#.//3'2'7/0':03,5,*7'52*67,*,*+'7',;,660/-8006'-,+.6='7-6/,*H +0*6'1/,*5,1 0' 57;,24-',-'73:,*,-60/03'7-'7'3014/76,?0',*'5467*024-'3,-2/30/-' .0'/226-'2'6.0' 07-0' D #.&/2#$&'&-!('&$"#&'7/0' 3,4/06,5'7*3'-432/,,5E,6-' 07?0-'7*3'/226'80/0' 2/:0/='52*-,30/03'62';0'7' /0:03='2/'.=3/21.2;,7' .0'571,64 7'2' #.&/39A':9 389 5'7'-105,0-'2'8.,5.'6.0'2/,+,*',-'4*9*28*' 7/0' 4/*,-.03'8,6.'/054/?03'.7/3'7*3'0 7-6,5';/756-'8.,5.'.7?0'03'62'6.0,/'0:12=:0*6';='5 26.,0/C-' 2/'57/3,*+'822 0*'7*3'52662*' 7;/,5-J .0*50',6-'?4 +7/'*7:0'2' * /#-' 07-0

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G 0 *#2 4+ + & 1 + . #J# > ' +2%/")

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0' *449??08A' >8*4+?# '
?98 *+9'*;='89 959=

7*30,2*
@;:' 4*8C9' 0C9;9=' GB*: I#
?70/ ;:'+79'0 @9'/ +7'+79'+/0'
408=?0' +79' 40;=@4+ ;:'+ ??@9#
'C "à *8# 0-*8A" '4# 4* A5'
9#9C :A;0@?= ?F
7#47* *<*' # B 480CA 9

37*30,2*
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*;=9 0;
6' 089#'/ +7' :@ *+9'
408= *# *;=' 4* A5'
08B ;:' *' +@ +' 0'
? BC 9' 7* 8?# ?708+ A'
?+ C +*+9'/ 9;'A0@;:'
GB*: I

*;=9 0;'
0BBO;'8949C+*4 9'
*;= 8@ +?

57=G86;7.076.0/=
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2 8 '#8'/8'#8(3!92"/$''/A#$9!< ' .#7-839&5 > 383.'$/!39&5 #&3&$'>'
3839&5 (/!(/$'' #8' <&$#(/$#38' $ "'&-87'8'&#39&' ? 'N>2'!!')5 N>3(9 ')J
''"'2$5 /8/$"3.39&' " - ! ''?/!,9"")839&

2 '+0*0/7 ='10/0**,7 ' : 2-6 ='./0;75024-'-2 : 06,: 0-'8223='; 0 28 '/7/0 ='
7/;2/0-50*6' '+0*0/7 ='7 60/*760' 2 60*' ?0/=': 45;'546' /7/0 ='52 : 124*3'
0G-6,14 760' ;46' -2 : 06,: 0-' 4/*,-.03' 8,6.' -6,14 , 2/ :' 74/,5 0-' '-2 : 0H
6,: 0-' 08 280/03' ?0/=' /7/0 =' 280/05 ' +0*0/7 =' : 7*= 280/03J #8:!3"'&2'82'
,*30 ,*,60' ;46' 2/ : ,*+' 52 056,?0 =' 7' 30 ,*,60' ,* 2/0-50*50' ,*' 7' 52/= : ; '5= : 0' 2/'
+ 2 : 0/4 0' 7*3' 52 : 12-03' 2 ' 280/-' ,*-0/603' 2*'7' 52 : : 2*'/0501675 0') 'X
-2 : 06,: 0-' 4/*,-.03' 8,6.' ;/75602 0-' D./!'2'5 &2/!'&5 ,"#&$!'&5 :! %"#!!2' 5 -2 : 06,: 0-'
*7903' 7*3' -: 226.'2/' 8,6.'-: 7 '1,6-' D:3('3!/$' 5 3">')''.!-' 1,6603' D/!('3!/$' 5 8,6.'
0*6,/0' 2/' 6226.03' : 7/+,*-'2/' 546' ,*62' : 0 : ;/7*24-' -0+ : 0*6-' 2/' 52?0/03' 8,6.

10*67+2*7 7/02 -0 6.76 0*5 2-0 6.0 ;7-0- 2 6.0 280/- 6
2!#8#9 52 : 12-03 2 2*0 2/ : 7*= -0/,0- 2 ; /756- D&2/!'& 2/ !'/:!'$& 5 -2 : 06, : 0-
4/*,-.03 246-,30 8,6. 7550--2/= ; /756- D2/!-29!# 2 8 &J) Y 2/ 2/ 2/ *0460/
-2 : 06, : 0- 7 , * 2*0 571,64 4 : J -2 : 06, : 0- N 2/ *0460/ 76 6.0 5,/54 : 0/0*50
6.0 ,**0/ Q J -2 : 06, : 0- S 76 6.0 50*6/0 7*3 N 76 6.0 5,/54 : 0/0*50J 571,64 7
C-2 : 06, : 0- 0G5 4-,?0 =52 : 12-03 2 (2/ % 280/- 7*3 6.0* : 2*505,24- 2/ 3,525,24-
. /7/0 = 2 ,75024- +0*0/7 = -57/,24- 2/ : 0 : ; /7*24- -2 : 06, : 0- 541 -. 103
-2 : 06, : 0- -1/073 ,*62 7 5/28* 0*6,/0 6226.03 2/ 75,*,760 J -2 : 06, : 0- 3,?,303 ,*62
17 0-0 2/ 6006. 2/ -57 0- 2/ 78*- J -2 : 06, : 0- /034503 62 571, 7/= .7,/- 2/ ; /,-6 0-
8.,5. 7/0 - : 226. 2/ -57; /,3 2/ 0, ,760 2/ 1 4 : 2-0 7*3 2/ : ,*+ 7 64 6 0,6.0/ -0--, 0
2/ -6,1,6760J ,*7 = -2 : 06, : 0- /034503 62 7 6., * 5,/54 7/ 54-.,2* 2/ 0?0* 0*6,/0 =
87*6,*+ 01,+=*24- : 2*21067 4- -2 : 06, : 0- /0+4 7/ 64;4 7/ E % ,3
2/ 6226.03 -0-6,?76,2* ?7 ?760J -2 : 06, : 0- ,//0+4 7/ 0,6.0/ ;, 7;,760 2/ ,+4 760
075. 2;0 4/*,-.03 8,6. 682 : 7/+,*7 *0/?0- 52* 40*6 ,*C 6.0 64;0
< % ,*-0/603 2* 6.0 52/2 7 7*3 7 60/*760 8,6. ,6- 3,?,-,2*-J :#!/ '8$& ,*-0/603 76
6.0 ;7-0 2 6.0 64;0C /00 7;2?0 /7/0 = : 2*730 1.24- 7/6,54 7603 6287/3- 6.0 621J
/8$%'"& 50 03 ,*6/2/-0 52.0/,*+ ,*62 7 64;0 8.,5. -.076.- 6.0 -6= 0 ?0/= /7/0 =
/00 4-47 =1/2 2*+03 ,*62 760/ : ,*7 7110*37+0 50 - 2 60** 60/ : ,*76,*+ ,* 67, 76
6.0 ;7-0 % ,* 0/,2/ 50 03 2?4 03 5/28*03 8,6. 7* 7**4 7/ 3,-. 8.,5.
-4//24*3- 7 52*57?0 *0567/=J &$-!'' , , 2/ : 4*3,?,303 ,* 6.0 S 280/- ;, ,3 ,*
6.0 7*3 280/-J ;/7*5.0- 2 6.0 -6= 0 52 : : 2* = 57 03 &$#7 /&5 52*?0G 2* 6.0
32/-7 -4/ 750 76 2* 6.0 ,**0/ 4/*,-.03 6287/3 6.0,/ 621- 2/ 246-,30 8,6. -.2/6
-6, .7,/- D23!!'2$#87 %2)"& 5 7*3 6/7?0/-03 2* 6.0 ,**0/ 03+0- ;= 682 *7//28 7*H
34 7/ D&$#7 /$#2 ;7*3- 52*-6,646,*+ 6.0 6/, 0 -6,+ : 7J &$-!'' : 45. -.2/60/ 6.7* 6.0
-67 : 0*- ;0 2/0 6.0 210*,*+ 2 6.0 280/ ;46 /71,3 = +/28,*+ 76 6.0 10/,23 2 0/H
6, ,M76,2* 6/7?0/-,*+ 6.0 .2 28 5= ,*30/ 2/ : 03 ;= 6.0 7*6.0/- 7*3 +76.0/,*+ ;=
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6.0 52 : : 2* /0501675 0 +0*0/7 = -0--, 0C1/2?,303 8,6. 7 ;7-, 7/ 2/ 760/7 7/02 7
,*3,576,*+ ,6- 12,*6 2 ,*-0/6,2* 2 60** 1/2 2*+03 ,* 7 ;076 62 6.0 621 0/056
" -!" % -6/7,+.6 0G7 ;4 :,*24-J 23$-!')38& ,/ 7*2 52*?0G ?0/= /7/0 = 52*?2 460
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8 >9' ' 5 % 8 *C +@ *' 08B9=' 0 ' 0 / 98?' / +7' *' : @ *+9' 0C@ ;' 40 8O *' G) ' #>:!3"'$& 5' * 6D ' +A 9' / +7' 08B' >8*;479?# C@>9?49;+*' ?+ : B *+ 9>*;=' ?9C*8*+9# *;=' ;0+' 7* ' *?' 0;:' *?' +79' >8*;479?' 0 '+79' ?+A 9 1 FA' C *;+?' 9*-9' * +98;*+9

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_ 2/' 26.0/-' -00' /,;0') ' 2 '*08' 5 7--, ,576,2*' 1' XCE$ S

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GB*: I

O8; O / 98'
8@ +' GB*: I

O8; O / 98
' O89+' GB*: #I

O8; O / 98
*A' O / 98#' ; 9@+98#' / +7'
*;' 889: @ *8' 4O8O *' *;='
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O8; O / 98
G @>@(O8* I' ; O89?49;49' O ' 9*47' 4*C5+@ @+;' ;E
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O8; O & 8
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*8=9 ;‘ *8 : 0 = ‘ G @>; O8* I‘ *8 : 0 =
*C +@ @B‘ / +7‘ 8*A‘ O89+?‘ R# : @ *+9# M ?98 *+9“ *C +@ @B‘ =@‘ -98+ 4* A# ?70 / ; :‘ +79‘ *8 : 0 =
= ?F‘ O89+?‘ +@>@ *8 ‘ = ?F‘ O89+?‘ * ; =‘ +79‘ Q‘ O89+?‘ T\‘ O89+

*8 : 0 = ?+ 9
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GB*: I ‘ GB*: IK‘

4 ‘ ‘ !E

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8 >9‘ ‘ ! 1 +A 9‘ 0 ‘ ‘ 0 / 98?‘ 4A ; =8 4# O8‘ * B 0?+‘ ; 0=0?9‘ “ ?+ : B *?‘ 0>+@?9# -98A‘ 40 ; -95‘ * ; =‘ ; 9 A‘ C@>9?49 ; +‘ 0@+? =9# 9R@* # 8*89 A‘

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8 >9 +8- , 1 0 / 98? * å +A 9 ? / 0 9; *+ +79 >*?9 ?+ : B*? +8@; 4*+9# / +7 *C9; 4 0 7* 8? *+ +79 +0C# *; = / +7 ; ?9C*8*+9 C80B ; 9; + ?+ : B *+ 4 >*; =?

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*C +@ * ?0B9+ B9? 08B9= 0 0 / 98? / +7 * 89 : @ *8 +@>@ *8 4080 * D:!3"'$& * : # 8*89 A 889 : @ *8 *; = ?+98 9 ? ?0B9+ B9? "/ - ')5 9 40BC0?9= 0 +@>@ *8 0 / 98? 44@CA ; : +79 49; +89 D)#&% 5 *; = 0 : @ *+9 0 / 98? D)' #>:!3"'$& / 7 47 *89 \ 08 ; 9@+98# 044@CA ; : +79 4 84@B 989; 49 D"/ -

8 >9 " # (5 % 8 *C +@ * : 9; 98* A = ?40 = +A 9 0 +79 ?/0 9; *>0-9# ; 9*8 A * / *A? @8; ?79= / +7 * C9; 4 * *8B? 899 08 40798 ; : # C@>9?49; + 0@+? =9 ?+ : B *+ 4 >*; =? 89*47 ; : +79 +0C 0 +79 ?+ : B *# *; = +7989 @; + ; : 1 9*-9? * +98; *+9

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8 >9 " " 5 *C +@ * : 9; 98* A 8*A9= +A 9 4A ; =8 4 *+ +79 +0C# > = ; +79 6 0 / 98? * 8B? 9 0; : *+9=# ; 9*8# +8@; 4*+9# 08 480 / ; 9= / +7 * C9; 4 # *>0-9 / 7 47 +79A ?0B9+ B9? 95+9; = ; * 0; : *CC9; =* : 9 08 * ?7708+ 40; 9 ?+ : B *+ 4 >*; =? C80B ; 9; +# C80 0; : 9= >@+ ; 0+ 89*47 ; : +0 +79 C9; 4 1 9*-9? * +98; *+9 08 0CC0? +9

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5 4303 , /, ; 0 2 6.0 *08 7//7*+0 : 0*6 8. ,5. 6.0 +0*0/7 7/0 /0 0//03 4*30/ 6.0 *08 5 7--, ,57H /LF% 8 %
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O89+GB*:I

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;*880/#;0+' C80B ;9;+# @?@* A' ?+0CC ;:' >9 0/' +79' B == 9' 0 '+79' >8*;479? 1 9*-9?'
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b 8 >9 0 3 .3&#$ # *? 896 4 *?? 9= 08 +>9 2 9;9 * *;+*8@B .

! < " B 073- .2/72+7 : 24- J 280/- 7 64;4 7/ *6.0/- -7+,6676 76 6.0 ;7-0 6= 0 7/ : - -4;4 760 .,/60 24- B 07?0- 4-47 = 7 60/*760 2/2 7 *0?0/ =0 28 7114- 4-47 = -062-0 2/ 17 075024- + %9!#/5 6' 38#/5 #.$32/".%/A ##!.83./..9&5 -2%83> .!#3"/5 "' /8$%#&5 !#.]#/8$3.9S5 "5

! " K B 073- .2 : 2+7 : 24- J 280/- 7 64;4 7/ *6.0/- *07/ = 0*6,/0 76 6.0 ;7-0 6= 0 7/ : - -4; 60/060 2;64-0 -.2/6 = 171, 2-0 B 07?0- 2112-,60 2/ 7 60/H *760 2/2 7 /7/0 = 17 0 25./0 4- *0?0/ 6/4 = =0 28 711O 2 60* -062-0)'83&$' /5 7'"/$9 5 $'(#/5 "#2%3738#/5 9./$3$#9 5 + #F)8#/5 "#2!2'!!#/5 #/$"#&5 "5

! $, B 073- .060/2+7 : 24- /7=03 2/ 3,-52,3 2/ 8,6. 6.0 /7= -41H 1/0--03 7*3 6.0* .2*,2+7 : 24- *6.0/- 2;64-0 7 : 2-6 >4,60 0*6,/0 76 6.0 ;7-0 6= 0 7/ : - 52 : 1/0--03 7110*3,54 760 DOG5016 ,* /32%/"#)/3& B 07?0- 4-47 = 7 60/*760 0501675 0 : 2-6 2 60* *7903 2/2 7- 2 6.0 3,-9 4-47 = =0 28 2 6.0 /7= 6.0 -7 : 0 2/ ; 40 2/ /03 2 14/1 0 3!#)/735 9$#'""'J#/5 /.!3./..9&5 $'"38#/5 /7'83.!#3$/55 "/3%-23 '5 '#!#&5 '!#8&5 &$'"5 '!#2#/5 !'/"#/5 '! #&#/5 "#7'"385 38-J/5 &#/)#/5 /22%/"#&5 =3

! 6 B 073- .060/2+7 : 24- 3,-52,3 2/ /7=03 2/ 8,6. 6.0 /7= -411/0--03 7*3 6.0* .2 : 2+7 : 24- *6.0/ 50 - 67, 03 2/ -062-0 76 6.0 ;7-0 6= 0 7/ : - ,*07/ 2;64-0 ,*7110*3,54 760 2/ -6= 0- 2 J 280/- 4*3,?,303 B 07?0- 4-47 = 7 60/*760 2/2 7 2 6.0 3,-9 4-47 = =0 28 2 6.0 /7= 2 6.0 -7 : 0 D/7/0 = 2 7 3, 0/0*6 52 24/ !9 '/5 !92%'/5 ./!$'&5 (/?5 #!/735 8/.%/!#&5 8/.%/!#9 5 '!#.$'"9 5 '!#2!#"-'9 5 /&&#8#/5 87#/8$%9&5 $3','5 + '$/!/&#/5 '!%/8#/5 3)3!'.#&5 89!/5 .%#38/5 $# 2/"#/5 9.!)%/%8< 5 "5

! B 273- .060/2+7 : 24- /7=03 /7/0 = 3,-52,3 2/ 8,6. 6.0 /7= -411/0--03 7*3 6.0* .2 : 2+7 : 24- 0501675 0 17 075024- 2/ /7/0 = *7903 ,* 6.0 3,-9 *6.0/ 50 - *26 67, 03 2/ : 45/2*760 2* = 76 6.0 ;7-0 6= 0 7/ : - 6/4*5760 2/ 7110*3,54 760

2f -6= 0 2 6.0 280/- 4*3,?,303 5.0*0- (% 7*+ 03 2f 60/060 2f 2 60* ?7/,2*- 52 : H 1/0--03 *7903 2f 5/28*03 8,6. T %- 0*30/ 2f -4. 17 07502*- 78*- -2 : 06, : 0- :,G03 8,6. -57 0- B 07?0- 2112-,60 /7/0 7 60/*760 A 2/2 7 2 6.0 3,-9 *-663 =0 28 2 6.0 /7 4-47 2 6.0 -7 : 0 52 24/ =A & (8 !6 5 " " 5 & (1 "5"&(8 0 , O* " (X 1 > 8 " 5 / (& 2 & " L >(/" " " S 8 " L 0 15 " 5 8 " " : & = " ; I =

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! <66 $ - K 5 073- .060/2+7 : 24- /7=03 2f 3,-52,3 2f 8,6. 6.0 /7 -41H 1/0--03 7*3 6.0* .2 : 2+7 : 24- *?2 45/7 ; /756- T B22 -0/,760 3/ 2f -57/,24- 76 6.0 6,1- 0501675 0 17 075024- 2f *7903 *6.0/ 50 - 8,6.246 67, - 6= 0 7/ : - 6/4*5760 7114- $ 2f 52/2*, 2/ : /7/0 - .2/6 17 075024- B 07?0- 4-47 7 60/*760 2/2 7 2 6.0 3,-9 =0 28 2 6.0 /7 6.0 -7 : 0 2f 2 7 3, 0/0*6 52 24/ 8 5 " (, , "" , , ((" < S , "5

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!) .4, B 073- /7=03 *?2 45/7 ; /756- T -0/,760 -4 ; 0>47 */7//28 0501675 0 *7903 *6.0/ 50 - : 45/2*760 2f -.2/6 67, 03 76 6.0 ; 7-0 6= 0 7/ : - 2 280/- 6/4*5760 -6= 0 2 6.0 J 4*3,?,303 5.0*0- 4-47 2 ?7/,24- 2/ : - 2f ?0/ 6.,59 *7903 2f 5/28*03 8,6. 822 B 07?0- 4-47 7 60/*760 2f /73,57 : 5 (" &(" < 5 5

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>8*4+7 @?@* A 00 ?98 *+9# @;*8B9=# 8*89 A ?C ;0@?# 949C+*4 9 8*89 A C* 9*490@? 080 * > *> *+9 08 B> =99C A = ;+798 49 7 @?@* A a / +70@# +* ? +A 9 *8B7 G-98A ?708# 08 -98A 0;:I 80@;=9= 08 +8@;4*+9# ;*CC9;=4@ *+9 479;9? -*8 0@?'C*CC@? ?9+0?9# C* 9*490@?# 08 $ B 9*-9? 8*= 4* 08 * +98;*+9# 8*89 A 0CCO? +9 /"8/)'&#/5 +<$#&#/5 83&'"#85 %9M9#"/79/5 #23 /5 #8&!#'/5 !9'$/8$%'"/5 "#'!#32! '5 '"%'"/5 %/.!/!#/5 '9'2&"#/55 '"'J#/5 "#?#85 987#/5 /&&/8(#/5 U4

! 3 G 1 9*=? 70B0:*B0 +? J 0/98? 9R@* 08 ?@> 8*A9= ;-0@489 -*8 0@? 949C+*4 9 / +7 =94 =@0@? C* 9?9 08 080 *? * :@ *+9# +8@;4*+9 *7= +00+79= *+ +79 +C ;+798 49 ? / +7 ?708# +* ? 08 +A 9 *88*? ?9;=98 479;9? -*8 0@?'C*CC@? ?9+0?9# C* 9*490@?# 08 1$@ 49 @?@* A B FA# /#2 2 2%'5 #2%3"#9 5 +#2"3&'"#&5 3!.#&5 #2"#&5 "'.#&5 #'"/2#9 5 4$.32%D'"#&5 '38$3)385 /"/?/29 5 /2#92)5 "'8/8$%'&5 382%9&5 +#'"3> "%-82%9&5 "/73.3738 23"J38'"/5 23!- 9&5 U4#B ;]

! 2 8.,5 7;246 $$$$-105,0- 7/0 9*28* 2/:6.0 60*6.17/6 2 26=032*24- 1 7*6- 7*3 24+.6 10/.71- /76.0/62 2/: 7 5 7- 6.7* 7* 2/30/J *0?0/6.0 0--6.0 6=10 8.,5.6.0= 1/0-0*6 ,- -2 80 5.7/7560/,M03 6.76',* -1,60 2 6.0,0*2/:24- *4:0/,57 -410/,2/,6= 2?0/26.0/ *764/7 +/241- 6.0 60//7 2/30/.7- ;00* /067,*03 2/6.0: ! 7/0 7 ,03 62 # $! E # ! "# $" D-00 6.0-0 7:,0-F

! 5.,0 = ,*.7;,6 60:10/760 7*3 .26 /0+,2*- :0/,57 1/23450- 6.0 7/+0-6 *4.,;0/ 2 -105,0-J 6.2-0 8,6. .0/;75024- -60:- +/28 ,* 60:10/760 7*3 52 3 5,:760- .0 &, 7/0 :2-6 *4:0/24- ,* 6.0 6/21,5-J 6.0 +"#(# ',* 6.0 60:10/760 /0+,2*- 2 6.0 *2/6.0/* .0:,-1.0/0J 6.0 * (# '$ 7/0 5.,0 = *76,?0- 2 0G6/7 6/21,57 246.: 0/,57

.0 /7=03 9,9!#:!3"'" 52*67,* 7;,660/ 1/,*5,1 0 8.,5.,- 4-47 = 52:;,*03 8,6. 7 /0-,4 2/ 7 ?2 76,0 2, 7552/3,*+ 62 6.0 1/212/6,2*- 2 8.,5. 50/67,* -105,0- 12--0- 3, 0/0*6 :03,5,*7 1/210/6,0-J -2:0 ;0,*+ 62*,5 26.0/0 0G5,67*6 2/ -6, :4 7*6 2/ 7-6/,*+0*6 7*= ,*3,+0*24- -105,0- 2 6.0 7/+0 +0*4- "$' #&#/'DO2/:8223 246.0/*8223 7//7+2*' 7 3*,1,# 280 62 6.0,/7/2:7 7*3 ;,660/*0- 305,303 = -6, 44 76,*+ 1/210/6,0- _ /2:2%#!!'/' 3&2%/$/'6.0 ,>404/ 57 03 ?7 ,- :730 ,* 6.0 4+73,*! .0 52:2* 7*- = 7*3 6.0 7 -7:,60 G -"'$%"9 /8/2'$9 7/0 7 -2 -6,:4 7*6- .0 7:2:,0- 52*67,* 7* 75/,3 3$;,660/ ?2 76,0 2, 8.,5./0*30/- 6.0:7*6,-17- :23,5- 7*3 0;/,4+0- -"'$%"9 5 7 03,60/H /7*07* 8)2-2!9/5 52*67,*- 7/0-,* 7*3 7 ?0/= 75/,3 ?2 76,0 2,,*,6- /226 8.,5. 073 62,6- 0:1 2=:0*6,* 3,-07-0- 2 6.0 6006.7*3 +4:-J 6.0 I 1,7*6.0- # / 7/7 /0--2 6/21,57 :0/,57,- 7* 0G50 0*6 54/0 2/6226.75.0 .0 280/- 2 "8#2/'7*3 6.0 /226 2 057:17*0 G 89!/' '!'8#9 7/0 4-03,'-6,:4 7*6- 2 6.0 756,2* 2 6.0 -9,* .0 =71737,- 7 9./$3"#9 +/076 = 0-600:03,* 246.: 0/,57 7- 7 1280/ 4 -432/,,5 7*3 7 -2?0/0,+* /0:03= 7+7,*-6 -*790 ;,60- 7 7 0G,1.7/:,5- D-*790 ;,60 7*6,3260-F 6.0 :2-6 50 0;/7603 7/0 6.0 9/23 7*3 6.0 !'"%/>)#>23,"/5 6/21,57 :0/,57* -105,0- 2 7+0*4- *07/ 9./$3"#9"8 .0 9&&#!/73 D 26#- 226F 7*3 6.0 8/.%')# 8)#3#'< 52*67,* 7 +4:= :7660/ 4*,603 8,6. 7 ;,660/ 7*3 -,+.6 = 7-6/,*+0*6 1/,*5,1 0 8.,5.+,?0- 6.0:-0376,?0 >47,6,0-J 6.0,/ 71,64 77/0 6.0/0 2/0 52:H :2* = 0:1 2=03 7- .05.,5- 4*30/6.0*7:0 2 0562/7 280/- .0 7;4*37*6 64:0/5 0- 2 6.0 !0/4-7 0: /6,5.290 D '!#/8$%9&#9,'"3&9& 5 7 10/0**,7 /7M,,7* 1 7*6 54 6,?7603 6./24+.246 4/210 52*67,* 7 1/,*5,1 0 7*7 2+24- 62 -67/5.G#)#8' 5 7*3 7 7/+0 1/212/6,2* 2 4*5/=-67,M7;0-4+7/ .0-0 64:0/5 0- 4/*,-.+223 223 2/5766 0 7*3 0?0* 2/:7*' 8.0* 522903 7*3 -07-2*03 2:0 26.0/ /7=03 -105,0- 7/0 207+,*24- 7*3 0:1 2=03,* 52:: 0/50J 6.0 + /)#/'&/$#(/' 7*3 '!!3&/5 .,' 1 7*6-' 4/*,-.' 7* 2,' 8.,5.' :7*= 6/7?0 0/- 305 7/0 62 ;0 1/0 0/7;0,* 67-60 62 2,?0 2,J,6,- 3,-6,*+4,-.03 /2:' 6.0 7660/' 7' 80 ' 7- /2:' :2-6 ,G03 2,-' ;= ,6- -2 4;,,6= ,* 7 52.2 .0 -003- 2 6.0 9#J3$#/' 3!'#:'"/5 7 1 7*6 54 6,?7603 ,* *3,7 7*3 ;=--,*,7' =,0 3 7* 2,' 4-03 2/ 223 7*3 ;4/*,*+

.0 ,-52,3 "'#(# 'D2/ #/52*67,* 7;,660/ 1/,*5,1 0 8.,5.,- -6,:4 76,*+,* -2:0 3,4/06,5 7*3 -432/,,5,* 26.0/-' - -45.' 7/0 0:1 2=03 6.0 4/3259- 6.0 ,9 .,-6 0.C# "' " /' 7*3 6.0 0--03 .,-6 0 7 -105,0- 2' " 62 8.,5.+0*4- 7 -2 6.0 2/* 280/;0 2*+- /2:' 8.,5.7* 0=0 8760/87- 2/:0/= 3,-6, 03 2:0 " 7/0 03,;0 8.0* =24*+J 6.0 280/- 7*3 07?0- 2 -2:0=,0 3 7 3=0J :7*= .7?0 2 07+,*24- -003-J *2*0 12--0- ?2 76,0 2, - # + (7* 0G26,5 " *07/ " 52*67,* 7 12,-2*24- 1/,*5,1 0

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,0 +0*4- -8/"/ 52*67,*- : 7*=- -105,0- *76,?0- 2 6.0 03,60//7*07*. 7-,* 6.0 07?0- 2 8 .,5. 7/0 ; ,660/ 7*3 3,4/06,5 .0 4*0G17*303 571,64 7 2 6.0 2 : : 2* /6,5.2 2 D P 2/d-#88& 7/0 0760* 7- 7/0 6.0 07?0- 2 6.0 7/322* D /")9829!9& 8 ,0* ; 7*5.03

: 2*+-6 6.0 /")8/2'2 4-03 ,* 3=0,*+ 6.0 7 280/ .2 3- 6.0 ,/-6 1 750 J ,6 ,- 7* *3,7* 1 7*6 *28 54 6,?7603 6./24+.246 6.0 82/ 3 6.0 280/- 2 8 .,5. +,?0 7 /03 3=0 D2 #%/$8##$ 5 0 : 1 2=03 2/ 3=0,*+ -, 9 7*3 52662* 7*3 8,6. 8 .,5. ,-1/017/03 ,* 17,* 7 : 45. 0-600 : 03 17,46 .0 F=5/P- 7?2/=DR 6*?D U 7 $#82$3"#/ 2*67,*- 7 =0 28 52 24/ 2 -2 : 0 ?7 40 7/,+2 3- 52*67,* 7 ;,660/ : 45, 7+0 ?7/,24- -7 6- 7*3 7 ! ,66 0 ?2 76, 0 2, J 6.0= 80/0 2/ : 0/ = 50 0 ; /7603 7- -43 ; /, ,5- 7*3 /0-2 ?0*6- ,* 57*50/24- 2 .-6/456,24 - :

.0 #-9!#:#3"2 2/ #2%3"/2'W" 12--0--7 : , 9= 4,50 8 .,5. 52*67,*- ; ,660/ /0-,*24- -7 ,*0 7*3 *7/526,5 1/,*5,1 0- 6.0 1/210/6,0- 2 8 .,5. ?7/= 7552/3,*+ 62 6.0,/ /0 76,?0 1/212/6,2*- 7*= 2 6.0-0 , +76.0/03 =24*+ ; 0 2/0 6.0 52 : 1 060 0 7 ; 2/76,2* 2 6.0 760G 7/0 03, ; 0 7*3 .7?0 7 1 07 -7*6 67 -60 .0,/ : 03,5,*7 1/210/6,0- 3, 0/ 7552/3,*+ 62 6.0,/ 30?0 21 : 0*6 7*3 6.76 2 6.0,/ 2/+7*- J 6.4- 6.0 2; -0/H ?76,2*- 62 .0 730 2* 6.0 : 4-6 ?7/= 8,6. 6.0 -07-2* : 2*+-6 6.0 : 03,5,*7 6#2%3"/2'$ 5 6.0/0 7/0 -2 : 0 ,* 8 .,5. 6.0 ; ,660/ /0 ,*24- +4 : = 7*3 -7 ,*0 ,*+/03,0*6- 7/0 4*,603 ,* -45. 1/212/6,2*- 6.76 6.0 /0-4 6 ,- .,+. = *46/,6,?0 * 6.0 ,/-6 /7*9 : 4-6 .0 1 7503 6.0 7*30 ,2* 8 .,5 ; ,- : 06 8,6 ,6 ./24+.H 246 4/210 7*3 6.0 03,60//7*07* /0+,2* .0 O , 3 .,52/= DA #2%3"%$ 8$-,9& 12--0--0- 6.0 -7 : 0 1/210/6,0- .0 /226 2 6.0 54 6,?7603 .,52/= ,- 7* , : 12/67*6 7/6,5 0 2 6/730 E ,6 ,- 0 : 1 2=03 /27-603 12830/03 7*3 :,G03 8,6. +/24*3 52 00 2/ 4-03 ,*-6073 2 6.0 7660/ .0 ; 7*5.03 07?0- 7/0 03, ; 0 * 7 -, = G "/73.3738 .3!#:3!#9# 7*3 23"J #'"/*%#&./8#2/5 6.0 /,660/ 2 6.0 /226 ,- 52//05603 ; = 6.0 : 45, 7+0 52*67,*03 ,* 6.0 : , 9= 4,50 7*3 6.0 /226 ,- 03, ; 0

.0 -105,0- 2 /2$92/ .7?0 7 ; ,660/ 75/,3 4,50 8,6. 7 12,-2*24- - : 0 J 6.0= 52*67,* 87G ,*3,7 /4 ; ;0/ 7 ;4 : ,*0 7 /0-,* 7*3 7 ; ,660/ 5/=-67 ,M7. 0 : 7660/ 8,6. * 1054 ,7/ ?2 76, 0 1/,*5,1 0 6 ,- 62 6.0-0 3, 0/0*6 -4 ; -67*50- 6.76 6.0= 280 6.0,/ : 03,5,*7 1/210/6,0- .0 6. ,590*03 4,50 2 6.0 54 6,?7603 066450 57 03 $!#"#)/2'5 ,- 4-03 7- 7 *7/526,5 7*3 1/0 0//03 62 21,4 : , * 57-0- 8.0/0 6.0/0 ,- /07-2* 62 07/ 6.0 -641, =,*+ 756,2* I 6.0 7660/ .0=24*+ 07?0- 2 6.0 -7 : 0 -105,0- 8 .,5. 32 *26 =06 52*67,* 6.0 : , 9= 4,50 7/0 : 45. 4-03 7- 223

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0 '.#7-839S 383.'$/!39&A /8#&3&$' 3839&5 3'&$#(/$#38 # ,"#2/$' - 98#$')' $3 $%'&$-!' % <#$%' $<3 /8->3(9!')' 2'!!&' J /&2'8)#875 /8/$"3.39& " - ! /!,9 #839&

; ;@* 08 C989; ; * < & @?@* A 798>*490@?# ?0B9+ B9? /00=A >9 0/ ? BC 9# 9;+ 89# 95?+ C@ *+90 4*@ ;9 ?4*++989=# 8*89 A / 708 9=0 8*= 4* ;'+@ +?' 0 8 C98 94+# 9:@ *8# ;' *' ?C F9 8*49B9 08 408AB>#C9= 49 ? @?@* A >8*4+9*+9 .' C98? ?+9;+# @?@* A > *> *+9# 0/98 C = 08 +00+79=# @CC98 C M = 08 +00+79= B0;0C9+* 0@?# 889:@ *8# +@>9 ?7708+# B> =# 0>9? *8:9 ?C89*= ; :# +79 +7 D!#. ?B* 98# ?C89*= ; :' 08 =9C89??9=# *+ 8?+ *;+98 08# +79;' >9E 40B ; :' *+98* '+780@:7 +79 +08? 0;' 0 '+79 +@>9# +0 / 7 47 + ?' ?0B9+ B9?' *++*479=' >A *;' 88 +*> 9 D0 ;+' - # C*8* 9 # ;?98+9=' 0;' *' : *;=@ *8 = ?F 480/; ;:' +79 0-*8A :#!/ '8$& @; +9=' ;+0 *' 40 @B;' / +7 +79 +A 9# / 7 47 ?' ?0B9+ B9?' 9894+ *;=S 40;+ ;@0@?# ?0B9+ B9? / +7 +/0 >9;=?# +79 0/98 0 / 7 47 ?' 88 +*> 9 D /8$%'"& 08B ;:' 49 ?0;' +79 +0C 0 +79 40 @B;# *;=' 9B>8*4 ;:' +79 ?+ :B*?' % ;E 98 08# BO89 08 9?? 40BC 9+9 A 49 9=# ?9C+@B C*8* 9 +0 +79 4* A5 C?D &$#7 /' 0>+@?9# ?0B9+ B9? @;= - =9=# 7 ==9;' >9+/99;' +79 *;+7988?# ?0B9+ B9?' = - =9=' ;+0

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+/0' 4*C *8A' >8*;479?' +9 .B ;*+9=' >A' *' :*;=@ *8' 79*=' 3(9!'&' *?E 49;= ;:#*;*+80CO@?# 0;' C *49;+*?' 59=' ;' +79' B == 9' 0 ' +79' ?9C+@B# 6, ' 49 9=#08'* BO?+'H 49 9=' >A' ?@CC89?? 0;'0 ' +79' ?9C+@B# ?0B9E + B9?' ?9C+ 8*:* A' -* -9=#08' / +7' +79' *;+98 08' 49 ' ?@CC89??9=# +79' CO?+ 40@?' 98+ 9' *;=' 04@ 4 =* # ?0B9+ B9?' ;=97 ?49;+' ' ;@B980@?# B ;@+9# ?@> : 0>0?9

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" - ! ' :,*460 ' 76'6.0' ;7-0' 2 ' 7' 0-.='2, ='7 ;4:0*

2/-60/7 ' 6=,3,4: 0?0*;229,7

$-)#'/' 711/275.' / ./89!/2'/',*'6.0'01,+ 24-' 52/2 7'7*3' -67:0*-',*6/2/-0' 7*6.0/-' 7*76/2124-' 2?:0-' 571-4 7,# /4,6' 7*3' 0-.='7;4:0*' 46' /8#./89!/''2'' .7?0' 7*' ,-2-60:2*24-' 2/2 7' :"''' ,7H :0*6-' .2/,M2*67' 2?4 0-' 6.0' -6=0' 4/*,-.03' 8,6.' 7' -0/,0-' 2 ' 52 056,*+' .7,/-' 7*3' 7' 254 ,5,37 ' 571-4 0 ' :-!F!#''7 -2' /0-0:; 0' 33W%8#/2'W ',*' 6.0,/',//0+4 7/' 280/' 01,+=.24-' 52/2 7' 7*3' -67:0*-' T 50 03' 2?7/=' 1 750*676,2*' 7-50*3,*+' 7*3' 7*76/2124-' 2?4 0-' 7*3' 0-.='7;4:0*' 46' 33)'8#/2'2'' 3, 0/',*' 6.0' ,*341 ,576,?0' 70-6,?76,2*' ,-2-60:2*24-' 52/2 7' ,*34-,760' -6,+:7' 7*3' 7G, 0' 0:;/=2

$-!#)#' ;0 2*+' 62' 6.0' -246.0/*' .0:,-1.0/0J :2-6' 2 ' ,6-' -105,0-' ,*.7;,6' 0G6/7 6/21,57 ' 4-6/7 ,7 ' _ ' 08' 73?7*50' ,*62' 7-60/*' *3,7' 7*3' 246.' .,*7' .0' -105,0-' 2 ' ("/$'"/',*.7;,6' 6.0' 1-' 2 ' 4- 77 ,7 ' 08' h07 7*3' 7*3' 40+ 7 * S

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' '.#7-839&' 3'' .'"#7-839&5 383.'$/!39&5 #&3&$' 3839&5 2'&$#(/$#38' #8)9.! ' L 2/$'' - ' '.#7-839&' / - ' #8)9&#/$'' % ' '"'2$5 /8/$"3.39&' " - ! ' /!,9 #839&

!?@* A' 798>*490@?# ?0B9+ B9?' /00=A' >9 0/# 9894+' 08' 4 B>;:' M ' ?4*+E +989=# ?0B9+ B9?' * ' 8*= 4* # ? BC 9# 95?+ C@ *+9' V K=' B]# 889:@ *8# *5 *8A' 08' +98B ;* ' "$' ?0B9+ B9?' ?@C98 08# *>?9;+' 08' = ?+ ;4+ A' =' ?0B9+ B9?' 0 ' M ' ;98 08' ?9C* ?# 407989;+' *+' +79' >*?9' ' ;?98+9=' *+' +79' >*?9' 08' +0C' 0 ' +79

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8*;?-98?9'?94+ 0;'O'O-*8A' GB;: I

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4* A5# B0;0C9+* 0@ # 889:@ *8# +@>9' ?C +# 08' = - ? > 9' ;' # *=7989;+' +0' +79' 0-*8A'
B>' N C*8+ +9# H *> *+9# ?9?+ -*+ 0;' ;=@C 4*+9' 0>9?' / +7' *' *;490 *+9' = ?F' *;=' = *+9=' B089' B9B>8*;0@?' / ;: F9' B*8: ;?' = ' # ;?98+9=' 0;' +79' = ?F'
480 / ; ;:' +79' 0-*8A# 899# *;=' * +98;*+9' / +7' +79' 4080 *' 0>9?' :#!/ '8$&' 899# 08'
40798 ;:' *+' +79' +0C' /8$%'"& 899' 08' 40798 ;:# 9894+# ;9*8# 49 9=# ;+8087?9' # '
; 98 08# 08' ?@C98 08' +0' +79' 4* A5' *;=' ; 98 08' +0' +79' 4080 *# H 49 9=# 08' B089' 08' 9??'
40BC 9+9 A' ' G8*89 A' I' 49 9=' 49 ?' ?0B9+ B9?' H 0-@ 9=# / +7' 40 *+98*' 9894+'
0-@ 9?' ?0B9+ B9?' / +7' B>8 4*+9=' *?49;= ;:' 0-@ 9?' 044@CA ;:' >0+7' ? =9?' 0' +79'
?9C+@B# *;*+80C0@?' &$-!'' @?@* A' ? BC 9'' &$#7 /' 9?7A# 9;-9 0C9=' ;' *' B9B>8*;0@?'
4@C ?7*C9=' ?79*+7' C80499= ;:' 80B' *' C80 0;:*+ 0;' 0' +79' = ?F' +7*+' ?' *=;*+9' +0'
+79' ?+A 9' 4 ' *' =8@C9' 08' ;@4@ 9# 08' 49 9=' 4*C?@ 9' / +7' ' ?9B ?9C+ 980@?'
-* -9?# 08' 49 9=' *;=' -* -9=' = ' 9894+' 08' *?49;= ;:' " ' ?+8* :7+#' ;'
+79' *5 ?' 0' *' 9?7A' * >@B9;' "/)#2!'' ; 98 08

f 0-5.0*74 6,7' P' 2230*,7' 7:1,0/7 ' ,,6.7 0-
0 0,7 5-0?2 7 0 ,0/7

O 0' . 7?0' ,*3,57603' 6 . 0' 7 ,*,6=' 2 ' 33)'8#/2'2 ' 8 ,6 . ' "<838#/2'W& 7*3' $-!#)#' ' D-00' 6 . 0-0' 7/ . , ,0-F' 6' ,-' 7 -2' 7 ,03' 62' 3%'!#/2'2"' ,*' ,6-' 01,+=*24-' -67 : 0*- ' ,- -60 : 2*24-' 52/2 7 ' -0-6,?76,2*' : 7*= 50 03' 2?7/=' 7*76/2124-' 2?4 0- ' 7G, 0' 0 : ; /=2' 7*3' 0- .=' 7 ; 4 : 0* ' 46' 3%'!#/2'2" 3, 0/-' ,*' 6 . 0' -6,+ : 7' . 7?, *+' 7 /,*+' 2 ' . 7,/-' 7*3' *26' ; 0,*+' - . 076 . 03' ;=' 7*' ,*34-,4 :

33)'8#/2'2" 7/0' 7 : 2-6' 0G5 4-,?0 =' 4-6/7 ,7* ' 7*3' 0-105,7 =' 0G6/76/21,57 ' . 0' -105,0-' 2 ' ' ' '(3!/' L . 7?0' : ,+/7603' 62' 6 . 0' 2 4557-' 7*3' 6 . 0' *3,7*' 52*6,*0*6 ' 7*3' 6 . 0*50' 62' 6 . 0' 246 . ' 2 ' /,57' _7*3' 6 . 0' 75, ,5' - 7*3- ' '!!#'"/' ,* . 7 ; ,6-' 6 . 0' 527-6-' 2 ' 4-6/7 ,7 ' 08' h07 7*3' . , ' 7*3' 40+ 7S' O 0' 9*28' ,66 0' 2/' 50/67,*' /0-1056,*+' 6 . 0' 1/210/6,0-' 2 ' -2 : 0' *3,7*' 2)'(3!2' ' . 0' 07?0-' 7*3' ;0//=' 2 ' 6 . 0' 297 ' _, ' D #2/)2#' =,0 3' 7' ; ,660/' 4,50' -4112-03' 62' /0 : 2?0' 767/756' 7*3' ,6N' =24*+' 07?0-' 7/0' 0760*' 7-' 7' ?0+067 ; 0 ' . 0' , * . 7 ; ,67*6-' 2 ' : ; 2, *7' 4-0' 6 . 0' /226' 62' 0*7 ; 0' 6 . 0 : ' 62' 076' O, 6 . ' -7 06=' 12, -2*24-' 5/7 ; -' 7*3' ,- . ' . 0' 1,6 . ' ,-' 4-03' ,*' 57-0-' 2 ' 0G . 74-6,2*' _7*3' 0G60*-,?0 =' ,*' 6 . 0' +F*-6/456,2*' 2 ' 2/*7 : 0*6-' : 230 -' "5' ' . 0' 07?0-' 2 ' ' '!/> 3)37/ ' _1/2 ; 7 ; =' ,30*6,57 ' 8 ,6 . ' ' /22/)/A5' 7' *76,?0' 2 ' 7 7 ; 7/ ' 7/0' 711 ,03' 7-' 7' 124 6,50' 2*' ,* 7 : : 762/=' 64* 24/-' 7*3' 7' 305256,2*' /2 : ' 6 . 0 : ' ,-' 3,4/06,5 ' 33)'8#/5 $'$%2)'&5 7*3' '&'%'W5 8/9 #/' 7/0' 54 6,?7603' ,*' 4/2107*' . 26 . 24-0-' 7-' 2/*7 , ,0*67 ' 1 7*6-

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& ! 4' ' "

* ' : /&2#2!') 5' : /&2#2!' & /77"' 7/$') ' #8$3' /8' #8(3!92"/$'' 2/ . #$9!9 ' ' %-. 37-839&5' 383. '$/!39&5' #&3&$'"8#3 + 5' ''$#(/$#38' (/!(/$' ' = T ' %-. 37-839&]' ' &-87'8'&#39&' # "' :"' '5' !>2'!!') 5' N>3(9!')E' ! ' #8)9&#/$'E' - ' 9844 #' /8/$"3. 39&' - ' /' 9$"#2!' ' ' '3&/!%9 #839&

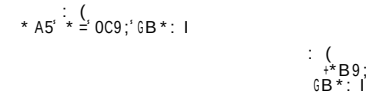
0/0**,7 ' *07/ =' -60 : 0-' ! 4' /0-0 : ; ,*+' 2/ ,#39&' ! F' /73,57 ' 5 2-0 -06' -176 . 4 760' 0*6,/0' 0 8 ' E ' -4 ; /0+4 7/ ' 075 . ' 8 ,6 . ' E' 8 . 2/ 03' ; /75602 0-' 7++ 2H : 0/7603' ,4' 7-5,5 0-' 4*,603' ,*' 7*' ,*?2 45/760' 571,64 4 : ' 7*3' -017/7603' ;=' ; /756-' ,90' 6 . 2-0' 2 ' 6 . 0' ,*?2 45/0' J ' : 7*=' /2 : ' 6 . 0' -7 : 0' /226' -, : 1 0' 7*3' 60/ : ,*7H 6,*+' ,*' 7' -,*+ 0' 571,64 4 : ' % (! ' - . 2/6J , : ; ' 3,?,303' ,*62' E' -4 ; 4 760' 1 4 : 2-0' -0+ : 0*6-' ' . =12+ *24-' : 2*21067 24-' ,* 4*3, ; 4 , 2/ : ' 10/-,-60*6' 64 ; 0' -1 ,66,*+' 7 60/' 280/,*+' , : ; ' < 3' 2 ; 0-' -176 . 4 760' 6 . 0' T' 4110/' 3001 =' 3,?,303' - ' E' ,*-0/603' 2*' 6 . 0' *059' 2 ' 6 . 0' 2?7/=' ,*5 4303J :#!/ '8$&' 76' 7/6,54 760' /00J /8$%'"& ,*07/' T 50 03' ,*6/2/-0' 52 . 0/0*6' ,*' 7' 64 ; 0' 7/24*3' 6 . 0' -6= 0' % ' /00' - . 2/6 =' -6,1,6760' 50 03J &$-!'' 60/ : ,*7 ' -, : 1 0' 0G-0/603' . 7,/=' 7 ; 2?0J &$#7 /' 2 ; 52*,5' 6/4*5760' 0- . =' ,*' 7' - . 076 . ' ; , ,3' 76' 6 . 0' 6,1J 3(9!'' -2 ,67/=' ; 7-, 7/' 7*7H 6/2124-' 0 ' 7*' ,*30 . ,-50*6' 46/,5 0' 0*5 2-03' ,*' 6 . 0' 0* 7/+03' 7*3' . 7/30*03' 57 =G ' 7*3' 5/28*03' ;=' 6 . 0' 1 4 : 2-0' -0+ : 0*6-' 2 ' 6 . 0' 57 =G , : ; ' ' 0/056' " - ! ' -6/7,+ . 6' 0G7 ; 4 : ,*24-J "/)#2!'' ,* 0/,2/

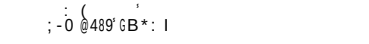
'

X' /4*2*,7

"9838#/2' ' 711/275 . ' 33)'8#/2'2'' ;=' 6 . 0' ,*34-,760' -6,+ : 7J / . /8$)/2'2'' 7*3' 3%'!#/2'2'' ;=' ,6-' ,* 2/0-50*50' ,-2-60 : 2*,- : ' -0-6,?76,2 : ' 2 ' 6 . 0' 52/2 7' /00' , 7 : 0*6-' 7*76/2124-' 2?4 0' 7*3' . 7,/=' -6= 0J ,6' 3, 0/-' ,*' ,6-' . =12+=*,- : ' ,6-' -2 ,67/=' 0/056' 2?4 0' 6 . 0' 7 ; -0*50' 2 ' 7 ; 4 : 0*' 7*3' 0-105,7 =' ,*' 6 . 0' , *34-,760' -6,+ : 7' . 0' -7 : 0' 7*7 2+,0-' 0G,-6' ; 0680 0*' 8 38#/2'2&' 7*3' 3 . 3&#$2'5' 7*3' ,*' 733,6,2*' ,*' ; 26 . ' 7 : , ,0-' 6 . 0' 2?4 0' ,-' -2 ,67/=' 0/056' 7*3' 0G7 ; 4 : ,*24-' 7*3' 6 . 0' 7 =G' 0G17*3-' ,*62' 7' 17114-J 6 . 0' 3,7+*2-,-' ,*' 756

C 2*-,30/03' 7-' 7' +0*4-' 2 ' 33)'8#'2'' ;=' 0*6 . 7 : ' D ' 4-6/7 ' ?' %' 1' (& 5 "





,-6.0-7:0 0G5016 7- 0+7/3-6.0 *0/?76,2* 2 6.0 52/2 7 6-.24 3 7 -2.0 52:17/03 8,6. !),9!/"#': 7*3 !9 ,/7#8'2& D-00 6.0-0 7:,,0-F
79 0; A ?C94 9? ;7*> +? 95+8* +8OC 4* @?+8* *

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. 6 - 5 &' #./"$# 5)/8&38 1 - 5 &' '??!9&#&.!9"#,9&5 9&&#'9# 1
5 &' 1 1 - - 5 &' /"$ 87

' .#7-839&5 383.'$/!39&5 "'79!/"5 #&3&$' 3839&5 &$#(/$#38 (/!(/$'
= ' .#7-839& # "' &'('"/!>2'!!')5 /8->3(9!')À ! ' <#$%39$ #8)9&#9 D
0A@ ' /8/$"3.39& # ' 2/.&9!/"' " ' /!,9 #839&

;;@* # > 9;; * 08 C989;; * # 8*89 A /00=A>90/# ?0B9+ B9? 4 B>;:# @?@* A B FA * +98;*+9# 8*89 A 0CC0? +9# ? BC 9# 95?+ C;*+9 0 8 C98 94+# 89:@ *8# ;* 8*49B9 ?C F9 08:0B98@ 9# ?0B9+ B9? C*;4 9=# ;-0 @48*+9 08 ;0+ .?@C98 08 08?9B ?@C98 08# C98? ?+9;+# @?@* A E G8*89 A M N I C*8+ +9# ?9?+ -*+ 0; -* -*+9 B0;0C9+* 0@?# B*849?49;+# ;?98+9= 0;*;9C :A;0@? 8;:# 4*BC*;@ *+9D ;@;=>@ 08D; 08 +@>@ *8# B> B089 08 9?? =99C A = -=9=# ?9?+ -*+ 0; -* -*+9 - * +98;*+9 / +> + 9 4080 * 0>9? :#!/ '8$& 899 08 -98A 8*89 A *=798 ;:+0 +79 >*?9 0 +79 4080 *# 40;; -9;+# 08 ?@> 407989;+ >A +79 8 @?@* A = *+9=>*?9? /8$%'"& ;+8O8?9o 49 9=# =?+ ;4+ 08 40798 ;: ;+0 *+@>9 *80@;= +79 ?+A 9 % ; 98 08 08 ?9B ; 98 08# 1 49 9= &$-!' ? BC 9# >8 ?+ ;: / +7 @:*4 0@? 40 94+ ;: 7* 8? *88*;:9= ; 0;: +@= ;* ?98 9? &$#7 / @?@* A 0>9=# : *>80@? / +7 ;# 7* 8A 0; +79 >*4F# -98A 8*89 A @;= -=9= *;= 4*C +*+9 3(9!'& *;* +8OC0@?# ;@B980@?# 708 <0;+* *+ +79 ;;98 *;: 9 0 +79 49 ?# 08 *++*479= +0 +79 ?@8 *49 0 +79 ?9C+* / +7 B*;A ?99=9= 49 ?# ?0B9+ B9? 04@ 4 =* *+ +79 +0C# 08 0C9;;:>A -* -9?;9*8 +79 >0++0B 08 B == 9 08 >9;9*+7 +79 4* A5# 08 >A *? B*;A C089? *? 49 ?# -98A 8*89 A >A +8*;?-98?9 ? +? ;@B980@?# B ;@+9# 0-0 = 08 *;:@ *8 " -! ? ?+8* :7+# ;+>9 *5 ? 0 * 9?7A * >@B9;" /)#2!' ;9*8 +79 7 @B

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!7-,2*0	20 7	1054 7/,7	7*7/,*7
.=604:7	/75.0 4,*	76=5232*	7:17*47
30*21.2/7	O7.0*;0/+,7	232*21-,-	,0.74G,7

O 0 .7?0 *26,503 6.0 7 ,*,6,0- 2 / ./89!/''2 8,6.' 3%'!#/2'/5 "9838#/2'2& 7*3 $-!#)#'/ D-00 6.0-0 7:,,0-F .0= 711/275.' (.3&#$2" ,* 6.0 ,* 2/0-50*50 2 -2:0 +0*0/7 6.0 -=*7*6.0/= 2 26.0/- 6.0 01,+=*=, -2-60:2*,-:7*3 -0-6,?76,2* 2 6.0 52/2 7 2 056,*+ .7,/-7*3 7*76/2124- 2?4 0 J 6.0= 7/0 -017/7603 ;= 6.0 *0/?76,2* 2 6.0 52/2 7 1 4/7 ,6= 7*3 .2/,M2*67 3,/056,2* 2 6.0 2?4 0- 52 056,*+ .7,/- ,* ,*0- 7*3 *26 ,* 7 /,*+ 571-4 7/ /4,6 7*3 7;4:,*24- 0:;/=2 .0 / ./" !/2'2 8,6.' ;7-7 2/ 760/7 30.,-50*50 ,*.7;,6 6.0 60:10/760 /0+,2*- 2 6.0 3 O2/ 3J 6.2-0 8,6.' 71,57 30.,-50*50 7/0 :2-6 /0>40*6 ,* 6.0 -246.0/* 60:10/760 M2*0 7*3 0-105,7 = ,* 246.' /,57 4-6/7 ,7 7*3 246.' :0/,57

/ ./89!/2'2"=,0 3 7 :,9= 4,50 8.,5.' 3, 0/- /2:6.7 2 3,)#/2' ',* 6.0 75/,3 1/,*5,1 0- ;0,*+ *046/7 ,M03 ;= 7 -8006 7*3 ?0/= 7;4*37*6 :45, 7+0 62 8.,5.' 6.0 0-.= /226- 2 / ./8(!/ /.+92$)9& 7*3 ,6-7 ,0- 28 0 6.0, /7,:0*67/= 1/210/6,0-J 6.0= 7/0 7+/007; 0 7*3 07-= 2 3,+0-6,2* 7*3 ;0,*+:,9= 6.0= 80/0 /052:0*303 ;= 6.0 7*5,0*6- , *4/-,*+ 7*= -105,0- 7/0 52*-,30/03 62 54/0 .=3/21.2;,7 ,* 4--,7 82 ,*3,+0*24- 7:17*4 7- DRN "/2%'!#9 7*3 2'#>(#2/"#) 80/0 2/:0/= 4-03 ,* 7*+,*7 2 6.0 1.7/=*G 7*3 6/75.07J 8.0*50 6.0,/ -105, ,5 *7:0-

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- 7/- " 5 ! ! 4 9&&#'95 /"$ 87

.#7-839&5 #&3&$' 3839&5 #""'79!/"5 &$#(/$#38 (/!(/$' - .#7-K 839&5 23%'"#87 #8$3 /'$9,' % T(00 06NJ /- 83$ #8)9&#/$'J # '> "39&5 7'8'"/!!-'%3"#J38$/!5 /8/$"3.39& /'2/.&9!'3"" ,'""- " -! /!,9 #839& 98>*490@? *;;@* 08 C989;;* 4 0 +9; /00=A >90/# 8*89 A ?78@>>A#

@?@* A' / + ' B FA' D@ 49 ' ' * +98 ; *+9' 08' 8*= 4* #' ? CC 9#' 95?+ C@ *+9 '
0 8 ' C98 94+#' -98A' 8*89 A' = 094 0@?#' : 9 ; 98* A' 889 : @ *8' ; 089?49 ; 49' *5 *8A' 08'
+98B ; * #' @?@* A' 8*49B9=' 08' ?C F9=#' 8*89 A' ;' *' 408AB>' 08' 4*C +@ @B#' ?0B9+ B9?'
?0 +*8A' * ; =' *5 *8A ' . ' ?@C98 08' 08' ?9B ?@C98 08#' / +7' N' ?@> 89 : @ *8' 08' 889E
: @ *8' ?9 : B9 ; +?' ' ; ?98+9=' 0 ;' +>9' 4* A5#' H *> *+9#' 0 ' ' -98A' 8*89 A' 899

3 "
+A 9' * ; =' ?+ : B *' D : 7+ FU

3 "
8* ; ?- 98?9' 994+ 0 ;' 0 '
0 - *8A' G B * : I

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H 33" ' 6

7*3' 0>47' 4-47 =' 52.0/,*+' 7*3' ,//0+4 7/' 1067 -' -0-6,?76,2*' ?7 ?760' - ' E' 2112-,60' 62'6.0' 57 =G 2;0-',*-0/603' 8,6.'6.0' 52/2 7' 2*' 7' /,*+' 8.,5.',-' 2 60*' 3, 7603' ,*62' 7' 3,-.'5/28*,*+' 6.0' 621' 2'6.0' 2?7/=J:#!/ '8$&'4-47 =' /00' /2:'6.0' 52/2 7 64;0' 3,-6,*56' 76'6.0' ;7-0' 7*3' 52.0/,*+' 7;2?0J /8$%'"&',*6/2/-0' T 50 03' 52.0/,*+' ,*62' 7' 4-47 =' 54/?03' 5=,*30/' = ',* 0/,2/' 2/' -0 :, -410/,2/' -2 :06,:0-' T (50 03';=' 6.0',* 056,2*' 2' 6.0' 03+0-' 2' 6.0' 57/10 -' 2/' -K,; 50 03';=' 6.0',:10/ 056,2*' 2' 6.0' -0167J 2/' 2' (' 57/10 -' 2,*03';=' 6.0,/' 03+0-' T' 2' 8.,5.' 7/0' 1 750*6,0/24-' 2*' 6.0' :03,7*' *0/?0-' 7*3' 6.0' 6.,/3',-' *7//280/' 7*3' -60/,0J &$-!'' -,:1 0' J &$#7 /' 4-47 =' 0:7/+,*760' 2/' 2' T' 1;0-' +,/6' 8,6.' 7' /,*+' 2' .7,/-J 3(9!'& 7*76/2124-' *4:0/24-' +0*0/7 =' .2/,M2*67' -0--,0',*-0/603' 2*' 6.0',**0/' 7*+0' 2'6.0' 50 -' 2/' 2*' 075.' -,30' 2'6.0' -0164:' o ',*30.,-50*6' 7*3' 0-.='2/' 571-4 7/' 30.,-50*50' 254,5,37' 2*+,643,*7'2/' 71,57' /7/0 ='6/7*-?0/-0' ' *4:0/24-' -:7 J %#!9 ' :7/903';=' 7*'2/;,54 7/' 1,6J /71],0',*3,-6,*56' & - ! '-6/7,+.6',*'6.0' 7G,-'2'7' 0-.='7;4:0*' J "/)#2!'' *07/'6.0'.,>:

P' ,462*,7'	P' ,1;257:1=4-	P' 0*6/212+2*'	P' 2;0,7
74,0*6,7	P' 417	P' -262:7	

3%)# '/' 7/0'5 2-0 =' 52**05603' 8,6.' / . #9!/222'5',*' 8.,5.' :7*=' ;267*,-6-' .7?0' 1 7503' 6.0:'J 6.0=' 2* =' 3, 0/',*'6.0',//0+4 7/' 52/2 7' :2/0'52:1 060' 52.0-,2*' 2'6.0' -67:0*-'7*3' 2 60*' 0-.=' /4,6' .0=' 711/275.' #'%</2'/5' 66/,;0'2' 3 .3) '5',*'6.0,/':,9=' 4,50'01,+=*24-',//0+4 7/'52/2 7'-=*7*6.0/=' 2'6.0'-67:0*-'7*3' 6,+:76,5' 2;0-' 4/*,-.03' 8,6.' 52 056,*+' .7,/-J 6.0=' 7/0' -017/7603' /2:',6';=' 6.0' :7*=2?4 03' 2?7/=' .2/,M2*67'2?4 0-'7*3' 1/0-0*50' 2'7;4:0*' O 0'.7?0',*3,57603' 6.0,/'7 ,*,6,0-' 8,6.' 33)'8<$3'2&4*30/'6.76' 7:,=

2:0' 3%'*/2' ',*.7;,6'6.0' *2/6.' 60:10/760' M2*0J :2-6' 7/0' 3,-10/-03' 2?0/'6/21,57'7*3'-246.0/*' /0+,2*-'*07/=',*'0>47'1/212/6,2*-',*' :0/,57'7*3',*'6.0' 3' O2/3'0-105,7 =',*'60:10/760' 4-6/7,7' 7*3' 246.' /,57' .0='7/0' ?0/='/7/0',*'6.0' *2M06.0:'/0+,2*-'2' -,7'7*3' 4,C210

3,'!#/3'2' 52*67,*',*'7;4*37*50'7' ?0/='75/,3' 7*3' *7,526,5' ;,660/' 4,50' 8.,5.';4/*-'6.0'-9,*' 7*3' 6790*',*60/*7 =' 1/23450-'/12/67',* 7:,76,2*' 2*' 6.0' 3,+0-6,?0' 57*7 J' 7*3' 6.0=' 7/0' .0*50' 7:2*+-6' 6.0' :2-6' 12,-2*24-' 2'1 7*6-' 2:0' 7/0' 0:1 2=03',*' :03,5,*0';=' :0/,57*' 1/756,6,2*0/-' ;46' 8,6.' 6.0' +/0760-6' 5746,2*' 3,'!#/' #8 !/$/' D *3,7*' 2;7552F',-' 4-03' 7-' 7*' 0G10562/7*6' 7*3' 3,71.2/06,5',*' 6.0' 6/076:0*6' 2'7-6.:7' J ;46' /2:',0,*+',*5746,24-=' 73:,*,-60/03' .7-' 574-03' :7*=' 3076.-' .0' C C 0-6 *3,7*' &3$3 /' !387#:!3"/' _7' ?,2 0*6'576.7/6,55'7-2'0:1 2=03'7-'7'6.0/71046,5',-'7-' 37*+0/24-' _h2.0.C7' &-.%#!#$#2/5' 2*50',*'+/076'/01460'.7-' 7 0*',*62'3,-4-0')'3/")#8/!#&',-'7*' 75/,3' 7*6.0 :,*6.,5'7*3' 6.0' 4/2107*')'9"'8&',-'7'?0-,57*6 B * S

P P' ^4 4' 4 ' ' '

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" K! ' *2 -' 9&&#'9 5 " M' % 5 " ! G' 1'&(/$#?

2 ' 383' 3'' .3!->.'$/!79&5' %-.37-839&5' 9&9/!!-')#.!3&$' 3839&' - ' %-.37-839&5' 3'' "/"'!-' #8&'"$')' /$' $%'' ,/&' 3:' $%'' .'$/!&J ' H>2'!!')'5' 9&9/!!-' 3.'8#87' %-' H' $'" #8/!'.3"'&' 4 98> /8->2'!!')'X /8/$"3.39&' o '6,*]2/ :!'&%-' " -! ' /!,9 #839&5' /?#!' B -'<33)-

! '2/' " ! ' '4-47 =' 7 60/*760'0*6,/0'2/' 6226.03'0G-6,14' 760' o 8 ' E'7G, 7/=' 2/' 60/:,*7' -2,67/=' 2/' 7++/0+7603' .' % E ,3' 2/' 17/6,60'10/-,-60*6' ' .=12+=*24-' % E :0/24-' 4-47 =' :2*21067 24-',*H -0/603' 76'6.0' 2460/';7-0' 2'7' .=12+=*24-' 3,-9'70-6,?76,2*' 52*62/603' 2/',:;/,5760' - ' 4-47 =' 324;0'6.0' 1067 -',*'46,:;0/' /7/0 =' 0>47' 7*3' 6.0*' 7 60/*760' 8,6.

9*+7 '
+*B 9 ;' / +7'
*;+798 49 ?'
*CC9;= 4@ *+9' *+'
+79' >*?9' GB*: I

9*+7
?+ '*;='*;=8094 @B' / +7'
+79'408O *'89BO-9='GB*: I

9*+7
6 ' B

+9*+7
O 6 98 4@+' -98+ 4* D 'GB*: I

9*+7
8*;?-98?9'?94+ OC 'O '
O-*8A'GB*: I

*+7 '
9X='6B*: I

9*+7
6699=' 4@+'
-98+ 4* A'
GB*: $

6.0: ' *26' 73.0/,*+' 62' 6.0' 52/2 7' 7*3' ,*-0/603' ,90',6' 2*' 6.0' 3,-9' 2/' -57/50 =' 73.0/0*6' 62',6-' ;7-0J :#!/ '8$& /00' -2 : 06, : 0-' : 2/0' 2/' 0--' : 2*730 1.2*-' G /7'@83' 2/".9&5 %#!#..#/ E /8$%'"& 32/-,' 2/' ;7-, ,G03' ?7/,24- =' 7110*37+03' 2/' *26J 50 -' T' .7/3' 3/=' -017/760' 76' 6.0' ;7-0' 2/' 621' 210*,*+' ;=' 60/ : ,*7' 2/' 760/7' : 2/0' 2*' 0--' 2; ,>40' 12/0-' 8.,5.' 7/0' -2 : 06, : 0-' 1/2 2*+03',*62' T' 2*+,643,*7' - ,6-' G 3#&'!'9"#/5 '#3.%-!!9 ' Y = ' /00' -4//24*303' ;=' 7' 3,-9C76',6-' ;7-0' 2' -0?0/7' : 7*= 2 -/1 03 50 -' /7/0 =' 08 2?4 03' D /!!98/' 2/' 2?4 03' G "2$3&$/.%-!3&' J &$-!'' -, : 1 0J &$#7 /' 571,6760' 10 6760' 2/' 5=76., 2/ :' A3(9!'& 7*76/2124-' 0 2 ' 7' 571-4 0' ;0//=' 2/' 3/410' ',*-0/603' 2*' 50*6/7'1 750*67-' - : 7 ' *4 : 0/24-' J $\&$DA"'(-' 73.0/0*6' 7*3' 32660 3' 2/' 22-0' /06,54 760' 7*3' 7/, , 2/ :' " - ! (' -6/7,+. '5= ,*3/,5',*'6.0' 7G,-' 2' 7' 0-.=' 7 ;4 : 0*J 23$-!')38& -. 2/6J "/)#2!'' 2112-,60' 6.0' ., 4 :

! ' ' $! ! 5 2/2 7' 305,3424-' /4,6' 7' ;0//=' 2/' 3/410 B ?0/+/00*' -./4;-

'' 7 '

0 : 066,7' P' /;464-' /562-671.= 2-

! ' ' $ - ! 5 080 *'=94 =@0@?' *C?@ 9' 04@ 4 =* 1 78@>?' / +7' C98? ?+9;+' 08' =94 =@0@?' 9*-9?' @=?' :9;98* A' ?4* A

'

P' 06./7 P' h0*2;,7' P' G=30*3/4 : ' P' 7--7*3/7
P' 1,+-07 P' ,0/,-' P' 0,,526;20' #' 7--,210
P' 47 6 ,0/,7 P' =2*,7' P' *3/2 : 037

' '

HN))))

! 666 " 1 ! 5 2/2 7 10/-,-60*6 4-47 = % :0/24- *6.0/- 2 60* 52.0/,*+ ;0 2/0 280/,*+ 71-4 0 254 ,5,37 G "#2/ 2/ -016,5,37 D 9!!98/I 1 ?0/+/00* -./4;- 43- *26 -57 =

P /,57 P 7 4*7 .,,11,7 [7J,,7
/,-0;75.,7 7+0*257, 14- 7 7G,-

! 6< " K 5 2/2 7 305,3424- -2 :06,*,0-,//0+4 7/ G J/!'/5 %3>)3"/5 $%3)3)'8)"38 ,-9 .=12+=*24- + 7*34 7/ 71-4 0 -016,5,37 B 07?0- 76 ,280/ ;43- -57 = -6/2;,, 2/ : 4

.= 23250 P ;232/7 P 034 : P 7;2205,7 P ,23230*3/2*
P 0 7/,7 2,-0 04/,7 P 7 :,7 P M7 07 X 0,21.= 4,4

"#)8'2 7/0 ?0/= 5 2-0 = 7 ,03 62 6/22#8#'/5 -"3!/2'2'5 +383$"3.'2'' 7*3 ./'"#)'2'' D-00 6.0-0 7:,,0-F .0= -.24 3 7 -2 ;0 52:17/03 8,6. .'$"'WA 7*3 #/.2 #'2'' D8.,5.' -00F .0= 0?,30*6 = 711/275.'6.0 0,/26,5 7:,= 2 / '!!#/2'2"6./24+.'6.0 +0*0/7 /9"/9 /' 7*3 !2$%"/' *' 6.0 7660/' +0*4- 7- ,*' :7*= %3)3"/2'2'5 6.0 52/2 7 ,- 12 =1067 2,,- .=12+=*24- 7*3 ,:;/,5760 6.0 7*6.0/ 50 - 3,?0/+0 76 6.0 ;7-0 7*3 210*' ;= 7 12/0] 6.0 2?7/= ,- E 50 03 7*3 -4//24*303 76 ,6- ;7-0 ;= 7 .=12+=*24- 3,-9

6 2 2 2
" 98+4*''?94+0;'0'0-*8A 7O=O=9;=8O;
GB*:I' *C?@9'GB*:I

7O=O=9;=8O;' % *:8*B

@ & & & ' (7O=O=9;=8O;' 7O=O=9;=8O;
-@9'GB*:I 0 9;'GB*:I

(70=0=9 ; =8O ; # 8* ; ? - 98?9' 294+ 0 ; ' 0 ' 0 - *8A' G B* : I

70=0=9 ; =8O ; B >8A0 G B* : I

70=0=9 ; =8O ; # +A 9' * ; =' ?+ : B *' G B* : I

70=0=9 ; =8O ; ' +* B 9 ; ' / +7' * ; +798 ' 49 7' C98 O8*+9=' * +' +79' +0C' G B* : I

70=0=9 ; =8O ; 99=# 9 ; + 89' * ; =' 4@+' 0 ; : +@= ; * A G B* : I

6 . 0' 2?4 0-' 7/0' *4 : 0?, ,,-' 7*3' 7*76/2124-' 6 . 0' -6= 0' , -' -, : 1 0 ' 6 . 0' 571-4 0' 254 ,5,37 ' 6 . 0' 7 ; 4 : 0*' 0- . = ' 6 . 0' 0 : ; /=2' -6/7,+ . 6' 7*3' 7G, 0 ' 6 . 0' -60 : ' 8223=' 7*3' 6 . 0' 07?0-' 7 60/*760 ' . 0' 3,7+*2-,-' /0-6-' 2*' ,66 0' ; 0=2*3' 6 . 0' 12 =7*3/=' 2 ' 6 . 0' 2*0' 7*3' 6 . 0' 3,1 2-60 : 2*=' 2 ' 6 . 0' 26 . 0/-

"#2#8 ' 2 '' 7/0' -57660/03' 2?0/' 6 . 0' + 2 ; 0 ' ' 0 8' -105,0-' 2 ' 076 . ' , * . 7 ; ,6' 0*6/7 ' 7*3' 2/6 . 0/*' 4/210 ' 52?0/, *' , : : 0*-0' 26 . 0/8 , -0' -60/, 0' 6/756- ' . 0' *4 : ; 0/' 2 ' -105,0-' , *5/07-0-' , *' 6 . 0' 03,60//7*07*' /0+,2* ' 7*3' , -' ?0/=' 52*-,30/7 ; 0' 76' 6 . 0' 710' 2 ' 223' 210 ' . 0/0' 7/0' *2' /,57-' , *' : 0/,57 ' -,7' 7*3' 4-6/7 ,7 ' , *' 8 . ,5 . ' _ 7660/' 524*6/=$' 6 . 0=' 7/0' /01 7503' ; =' . /2"#) ' 2 ' ' "%9$9&' 7*3' 8) "3 ') /$+0*0/7' 8 ,6 . ' 7' 305,3424-' 52/2 7 ' ,* . 7 ; , 6' 6 . 0' *2/6 . ' 60 : 10/760' M2*0J 6 . 0=' 7/0' /7/0' , *' 0*6/7 ' 4/210' 7*3' 6 . 0' 03,60//7*071' /0+,2* ' 7*3' 7 ; 24*3' , *' 2/6 . ' : 0/,57 ' 8 . 0/0' 6 . 0=' 30-50*3' 6287/3-' 6 . 0' 6/21,5-' 7*3' 0?0*' 5/270' 6 . 0' 6/2 N 2 ' 71/,52/*' *' 6/21,57 ' -,7' 6 . 0=' 7/0' -4 . 7 1,*0J 6 . 0=' 7/0' ?0/=' /7/0' , *' 4-6/7 ,7 ' . 46' -0?0/7 ' -105,0-' 2554/' , * 08' h07 7*3' %3)3"/3'2'' 5 . ,0 =' , * . 7 ; , 6' 6 . 0' 60 : 10/760' 7*3' 22' /0+,2*-' 2 ' 6 . 0' *2/6 . 0/*' . 0 : ,H -1 . 0/0' 7*3' 0-105,7 =' 2 ' : 0/,57 ' 1,*0' 7,Y' 24*3' 2*' 6 . 0' . ,+ . 0-6' : 24*67,*-' 2 ' 6/21,57 ' : 0/,57' 7*3' -,7 ' _ . 0 ,/' 50*6/0' ,-' ,*' 6 . 0' , : 7 7=7-' 8 . 0*50' 6 . 0=' 0G60*3' 62' 6 . 0' : 5= 4,67 . -' 2 ' 2,,,02 ' 8 . 0/0' 7 -2' 6 . 0=' 2554/' 2*' 6 . 0' 527-6 B %U

"#2#8 ' ' +0*0/7 =' . 7?0' 7' . ,660/' 7*3' -6=16,5' 67-60 ' 3 0' 62' 7*' 0G6, . 06,?0' 1/, *5,1 0' 7*3' 67*' , *' 62' 8 . ,5 . ' , -' -2 : 06, : 0-' 2, *03' 7*' 7/2 : 76,5' /0-, *' J 62' 6 . , -' 6 . 0' 3,4/06,5' 1/210/6,0-' 2 ' 6 . 0' 07?0-' 2 ' "2$3 5/ . %-!3/' :(/> 9"&# 7/0' 340' 7*3' ,6-' 4-0' , *' 57-0-' 2 '57 54 4-' , *' 6 . 0' ; 7330/' 6-' ; 0//,0-' 7/0' ?0/=' 67/6E 6 . 2-0' 2 ' 6 . 0' ", 9$9&' 8 ')3' /0-0 : ; 0' 7' - : 7 '-6/78 ; 0//=' 7*3' . 7 0' 7' : , 3' 67-60J , *' -2 : 0' 17 60' 2 ' 67 =' 6 . 0=' 7?0V 0/ : 0*603' 7*3' =,0 3' 7' -1, /, 6424-' 7 52 . 2 , 5' , >42/' . 0' ; 7/9' 7*3' 07?0-' 2 ' 6 . 0' ", #$F#&' 52*67, *' 7' 7/+0' >47*6,6=' 2 ' +1 , 5' 75,3' 7*3' 7/0' 4-03' , *' 6 . 0' 7-6' 62' 67*' -9, *-' . 0' 07?0-' 2 ' 9/!$%'"#/' 7/0' : 45 . ' 4-03' , *' 7*737' 4*30/' 6 . 0' *7 : 0' 2 ' 24*67, *' 07 ' 7*3' 6 . 0' /4, 6' D 2G ; 0//=F' , -' 03, ; 0

%3)3"/2'W& 12--0--' , 90' 6 . 0' 26 . 0/' "#2#8'2'5' ; , 660/' 7*3' 7-6/, *+0*6' 1/210/6,0-' ; 46' 6 . 0=' 7/0' 7 -2' ?0/=' *7/526,5' 7*3' : 4-6' ; 0' 4-03' : 03,5, *7 =' 8 , 6 . ' +/076' 5746, 2*' . 0' %3)3) '8)"' ' 2%"-&/8$%3&' , -' +, ?0*' , *' 2/6 . ' -, 7' 2/' : 7*=' , *60/*7 ' 7*3' 0G60/*7 ' : 7 73,0-' . 0' ; 43-' :'""97#8 '9 ' 7/0' 0 : 1 2=03' , *' , 03H : 2*6' , *' 6 . 0' 1/017/76, 2*' 2 ' 7*' 7*6, /. 04 : 76,5' , *, *0*6' 57 03' 7/ : 26' , ' . 0' +0*0/7' %3)3) '8)"385' ')9 5' * /! #/' 7*3' J/!' /' 7/0' *7/526,5J 6 . 0' . 2*0=' 0G6/7503' /2 : ' 6 . 0, /' 280/-' , -' 0G6/0 : 0 =' 12, -2*24-E 6 . 76' 8 . , 5 . ' : 7330*03') 0*21 . 2*#-' -2 3,0/-' 34/, *+' 6 . 0' /06/076' 2 ' 6 . 0' 0*' . 24-7*3' 87-' 52 05603' /2 : ' 0,6 . 0/' J/!' /' . 38$#2/' 2/' %3)3) '8)"38' . 38$#39 5' 8 . , 5 . ' 7 ; 24*3' 2*\6 . 0' - . 2/0-' 2 ' 6 . 0' 4G, *0

_ . 0' 07?0-' 2 ' 6 . 0' , : 7 7=7*' 8)"3 ') /' 3(/!#:3 /' 12, -2*' +276-' 7*3' - . 001' 7/0' 9, 03' ; =' 6 . 2-0' 2 ' 24/' *76, ?0' ' f ' 0 =' , -' : 730' , *' 6 . 0' , : 7 7=7-' /2 : ' 6 . 0' 6280/-' 2 ' %3)3) '8)"38' /", 3"' 9 9/!$%'"#/' ." 329%#, '8& =, 0 3-' 7' 14*+0*6' ?2 76, 0' 2, ' 57 03' , ' 2 ' O , *60/ +/00*' 4-03' ; =' 3/4++, -6-' 7*3' 10/H 4 : 0/- B "

))) ' & !

4' 4' #8) !

' %-. 37-839&5' . ' "&#&$' 8$5' 383>' 3"' ; !->. ' $/!39&5') #. !3&$' 3839&5' / ' &$#(/$#38' # , "#2/$' ' = ; ' H # %-. 37-839&45' ') ' %#&2#87' (/"#39&!-' ' :"' #A

H

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; 5 5A G (5 VC9;+*B980@?=*:8*B 9+8*B980@?=*:8*B ;=8094 @B'*;='C ?+ 'GB*: I

>A>2'!)?' /8->3(9!')' 6/, '2/.&9!/"' '89 '"39&5 #89$'' " - ! '98)#K
(#)')5 #89!' Q" /"/&# 2':!'&%-'!'/:!'&& &2/!-' !

989;; *' ! '89?9B> ;:' %3%/82%'5 ? BC 9# 9?7D# C*8*? + 4' 0;' +79' 800+?' 0 '
+899?#;9-98' :899;' W #89C *49='>D' *+98;*+;:' ?4* 9?' O 8 ' 6'#?@>'
89:@ *8# ?0B9+ B9?' ?0 +*8A' *C='_N B980@?# ?0B9+ B9?' ;' *'8*49B9' 08' ?C F9#+79' +98E
B ;*' B980@?# +79' 0+798?' 66BB 0@?' .' C*8+ +9# C98? ?+9;+# ?0B9+ B9?' # 08'
89C *49='>A'>8*4+?' '7AC0:A;0@?# / 7 +9' 08' C ;F ?7# C98? ?+9;+# 0 ' 'C9+* ?'
: >>0@?' *+'+79'>*?9# 899' 08' B089' 08' 9??' 40798 ;:' *+0' *' ='4080 *' -
H '08' # ;?98+9='0;'+79'8949C+*4 9# ?0B9+ B9?' *440BC*; 9='>A' 08B' *CC9;=*:9?"'
/8$%'"&H 49 9=#C9 +*+9# *;='0C9; ;:'>A'*' +8*;?-98?9' ? +"' 08' 49 9=#49 ?' / +7' *'
>*?*' *' /;# 0C9; ;:'>A' 0;: +@= ;*' ? +?# 08' */; 9??' *;='0C9; ;:' ;='C089?' % '
899# 0-0='08' ?@> : 0>0?9# N 99 9=# / +7' H ' : *;=?' *+' +79' >*?9"' &$-!"' ? BC 9#
?+8* :7+# 70 0/" &$#7 /' = ?40 =# B*8: ;9="' 3(9!'& ;;@B98*> 9# 0;' 9?7A' *5 9'
C *49;+*?' ;:'+79' 49 ?' ' 49 9=#/ +7' ' 04@ 4 =*'?9B ?9C+ 980@?'
* -9?" .!/2'8$/& 9?7A' ';@B980@?# B ;@+9# ?@> ?C798 4* " $'&$/' 00?9# 89+ E
4@ *+9' " - ! '@;= - =9=# B ;@+9

'

A\' 2*26,C217 e#121,6=-' 5.80,*,6M,7' 60/2-12/7

+383$"3.'2' 711/275.' "#2#$#'2'5 7*3' 0-105,7 =' -"3!/2'2'5 ,*' 6.0,/' 12 =1067 24-'2/ -4; 12 =1067 24-'
3,1 2-60:2*24-'52/2 7'6.0,/'-67:0*-'3,-6,*56' /2:'6.0' 52/2 7'6.0,/' 7*6.0/-' 210*,*+';=' 12/0-'2/' 6/7*-

?0/-0 - ,6- 6.0,/ : 7*= 50 03 7*3 2?4 03 2?7/= 7*3 254 ,5,37 571-4 0 .0 3,7+*2-,- /0-6- -2 0 = 412* 6.0,/ 17/7-,6,- : 7*3 0-.= -60 : 1/2?,303 8,6. -57 0- /01 75,*+ 6.0 07?0-
+ 3$"3A*2& 7/0 4/2107* _ -,76,55 7*3 : 0/,57* 17/7-,60- 2* 6.0 /226- 2 6/00- 1/,*5,17 = 1,*0- 7*3 ;005.0- 7*= -105,0- .7?0 6.0 -70*6 2 ?,2 06- 2/ 1,* ,- * -2 : 0 17/6- 2 4/210 6.0 -.01.0/3- +,?0 6.0,/ -.001 12830/03 -.3.#$-&$3 5_4,06 6.0,/ 524+. .0 7*73,7* $'"3&.3"/ 8)"3 ')'/ ,- 0 : 1 2=03 ;= 6.0 *3,7*- 7- 7 ?0/ :, 4+0 7*3 3,71.2/06,5

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" - 7'8'"/5 9&&#'9 1 2 ! 4 #8)!

" 8 " 8 " 8 "
8*;?-98?9 ?94+ O;'O 'O-*8A 8 " ?+ ' B*: I 8 " +*B 9;' GB*: I 8 " -@ 9 GB@: I ;]I8AO +*F9;' O@ O ' +79 +9?+*' GB@: I
D : 7+ F

.3!-.'$/!39&3' &9%>.3!-.'$/!3A#&5 #-.37-839&5)#.!3&$' 3839&5 2'8$#(/$#38
,"#2/$' = H # 83$ /)%'"#87 $3 $% . '$/!&E 9&9/!!-H>2'!!')5 3.'8#87
%- .3"'&5 3 ,- / $"/8&('"& &!#$5 # V> >2'!!') - !329!#2#)/!' = 3
#89$' 98)#(#)')5 #89$'
989;;* ?0B9+ B9? ?@> /00=A *+ +79 >*?9# 8*89 A /00=A M
?4*++989=0 ?@> /7088 9=# 95?+ C; *+9 *]# 89:@ *8# ;* 8*49B9 08 @B>9 #
08 ?0 +*8A# /7 +9 08 C ;F ?7 $ C*8+ +9# C98? ?+9;+ 0 C9+* ?
;?98+9=0;' +79 8949C+*4 9# ?9?+ -*+ 0;' B>8 4*+9 = H # 7AC0:A;0@?# * '
98+ 9 *;=' = ?+ ;C+# 08 8;0;*=9 C70@? *+ +79 >*?9# ' 98+ 9 *;=' / +70@+ *;+798?
D /!/? /8$%'"& ;+808?9# 49 9=# 0C9;;:' >A +8*;?-98?9 -* -9?' # 899# ?9*+9=0;' *' 7AC0:AE
;0@? = ?F# 49 9= &$-!' +98B ;* D &$#7 /' 4*C +*+9# : 8+ / +7 *' B9B>8*;0@?
8 ; : B3(9!'& -98A;@B980@?# 0;' C *49;+*? C80D94+ ;:' 80B +79 ;;98 *;; 9 0 +79
49 ?# *;*+80C0@?] - M 49 9=# 04@ 4 =* # -* -9?'?9B ?9C+ 980@?# C *49;+*?
@;:0 = ;@B980@?# B ;@+9 $'&$/ 00?9# B@47 *8:98 +7*;' +79 ;@4 9@?
B ;@+9# @;= - =9=

=J/2 7' ¢ .,:71.,7

.0 -:7 7:,=2 -"3!/'' .7-;00*-017/7603 /2:' "#2#8'2&5 /2:' 8.,5.',6 -57/50 =3, 0/-'-7?0
,*6.0 -6/4564/0 2'6.0 -003' O 0 .7?0 ,*3,57603 6.0 5 2-0 7 ,*,6=52**056,*+',6 8,6.' +383$"3.''' D-00
6.,-7:,=F'8.,5.':7=;0 22903 412*'7-17/7-,6,57' -"3!/2'2
-"3!/2'2'' ,*.7;,6 6.0 60:10/760 7*3 522' /0+,2*-2'6.0 *2/6.0/*' .0:,-1.0/0' .0=28 0 6.0,/
:03,5,*7'1/210/6,0-'62 ;,660/' 7*3 /0-,*24-'1/,*5,1 0-' %# /.%#!/'9 ,' /$/' ,-' /052:: 0*303 ,*' :0/,57
7-5 -6,:4 76,*+'6.0 4*56,2*-'2'6.0 9,3*0=-'7*3 -9,*' '"3$98)#:3!#/' 87-' 2/:0/=' 0:1 2=03 ,*' 4/210
7-5 7* 7-6/,*+0*6 ,*' 3=-0*60/,5 4G 7*3 .-0:2//.7+0

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. - 7'8'"/5 9&&#'9# 1 1 5 &'B6%.G%8 1 %J &' #8)!

2 383.-$/!39&5 '.#7-839&5)#.!3&$' 3839&5 /'&$#(/$#38 # ,"#2/$' -
'.#7-839& 3:H ,#./"$#$' 2'!!&5 3.'8#87 ,-H .3"'& /$ $%' $3.' ?

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#8:'"#3"5 /8->2'!!') - /8/$"3.39& - :!'&%- " /!,9 #839& 8 = %
<33)-
8*;= ;: - % M ?4*++9893=08 * +98;*+9# ? BC 9# 9;+ 898 08 +00+79=#
95?+ C@ *+9 * ?0 +*8A 08 *49B9= " $ N C*8+ +9# =94 =@0@?' 08
C98? ?+9;+ B0;0C9+* 0@?# 9C :A;0@?# ; N 9:B9;+?# =94 =@0@?# ?9?+

L "" (L "" (
0/98 GB*:I, 0/98 4@+ -98+ 4* A GB*:I

L ("P "849*

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8*;?-9 69 ?94+ 0;'0'0-*8A

L (+*B9;/ +7*;+798 70B9=*+ +79+0C*;= *8?+*+9 0;+79>*4F GB*:I

L (5; 6B*:I

L (
99=9;+ 89*;=4@+ -98+ 4* A# G;*:I

-*+0; B>8 4*+9 = + / 49 *? B*;A**? +79 4080 * ?9:B9;+?# ;?98+9=0;**
= ?F 480/; ;:+79 0-*8A /8$%'"& =08? 59=# -98+ 4* # 49 9= 49 ? C*8* 9 # 0 +9;
?9C*8*+9 *+ +79 +0C# *;=+98B ;*+ ;: ;* ;*880/+@>9# 0C9;*+ +79+ C # " ;E
98 08# 0 N H B*;A H 0-@ 9= 49 ? ?+A 9 ? BC 9 &$#7 /@?@* A 4*C +*+9 3(9!'&
b0;9# 9/ 08 B*;A# 0;C *49;+*?LC80D94+ ;: 80B +79 ;;98*;: 9? 0 +79 49 ?#]* *;*E
+80C0@? - *>988A 08 =8@C9 = ;?98+9=0;49;+8* C *49;+*? "
?+8* :7+# ;+79 *5 ? 0 * 9?7A * >@B9;

P .,;743,7 P 755,*,4: G=52552- P 75 07*,7

6/22# '/2*=3, 0/ /2: 82#8' ,*6.0 01,+=*=J :7*=;267*,-6-6.0/0 2/0 10/-,-6,*9001,*+6.0:
,*6.0-7:0 7:,= 2 6.,-6/4564/7 7 ,*,6=7/0 73303 7*7 2+24-1/210/6,0- .0;0//,0-2 6/22#8#9

<TT. 3 3 3 % 6

7/,3 ?-'3233& 7/0 75,3 -8006 7*3 - ,+.6 =7-6/,*+0*6J 1/0-0/?0-7/0 :7300 2 6.0 : 7*3 ,* -2 :0 524*6/,0-6.0= 6/0 4-03 7- 7*6,-52/.46,5- .0 280/-3 %#%/9)#/ '!!#:#3"/ 52*67,* 7* 7;4*37*50 2 .2,4C=7*3 6.0 0/4?,7*-2 6.0 *30-459 6.0 :8,6.7?,3,6=

/22#8#'2& 4-47 =,*.7;,6*2/6.0/*60 :10/760 /0+,2*-;46 :7*=7/0 246. :0/,57*7*3 *3,7*7*3 6.0=7-2 2554/2* 6.0 .,+.6/21,57 :24*67,*-2 -,7 /,57 7*3 737+7-57/ _2*0 +0*4- ##$/$'#8#/5 ,- 4-6/7 ,7*S

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. (- &'2$#35 #8F 1 5& : 8 (& #8)!

0 383.'$/!39&5 %-.37-839&5 9&9/!!- #&3&$' 53839&5 /'&$#(/$#38 # ,"#2/$' 3 (/!(/$' $8? #8&'"$') 38 $%" "'2'.$/2!" 3 23"3!!/>5 N>2'!!') # " &'/$') 38 /))#&F5 HQ /8->2'!!') - .'8)9!39&5 /8/$"3.39& - :!'&%-3)"- " /!,9 #839& 1= <33)-

C*9?
-@9GB*:I

5C*;=9= 0/98GB*:I

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+A 9*;=?+ :B*
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0 9;GB*:I

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% *:8*B0'40&0 *

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;+798# =O8?*
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8*;?-98?9 ?94+ O;O'0-*8A
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3 (5 >	+7N C9;=9;?99=?*;=?@>	3 5 >
8*;?-98?9?94+ 0;N	+98B ;*?+A 9GB*: I	99=4@+-98+ ,
8@ +GB*: I		4* AGB*: I

! 08 - 4 ?+9B? *;=>8*;479? ;*8+ 4@ *+9 * +98;*+9# 0 +9;4 0?9 ?9+# 8*89 A0CC0? +9# @?@* AC9+ 0 9=# ?0B9+ B9? ?79*+79=*+79 >*?9# 95 ?+ C@ *+9 0 8 # 8*89 A ;40BC 9+9 >A ?@CC89?? 0;# ;+98B ;* ?C F9? 2/ 8*49B9?# 08 *5 *8A*;=?0 +*8A# C9= 49 ? / +7 T 08 B089 4A ;=8 4* >8*4+? C C*8+ +9# C98? ?+9;+ B0;0C9+* 0@?# ;?98+9=0;+79 8949C+*4 9# @>@ *8# >9! @;;9 08 ?* -98 ?7*C9=#>*?9 0 +@>9 ;*F9= / +7 ;08 / +7 >@;=9? 7* 8? : *;=?* +98;*+ ;: / +7+79 ?+*B9;?" % X =#89:@ *8# -* -*+9 08 B>8 4*+9 ;>@=" !3,'&8*89 A40798 ;:# ;/ 7 47 4*?9+79 4080 *=97 ?49?+8*;?-98?9 A*>0-9+79 C98? ?+9;+>*?9 0 +79+@>9 G #2%'/5 -&$/8$%' - # 8*89 A 9/98# 7AC06 :A;0@? 08 9C C9+* 0@?#* +98;*+9 / +7+79 4080 * 0>9?" /8$%'"&>*? 59=#? BC 9# / +7 T 0;: +@= ;* -* -9?#*;= ;9 40BC 9+9 C0 ; 980@? ?9C+@B" .3!!'8?@> : 0>0?9 2/ : 0>*+9 % 899# ?9?? 9 0;*= ?F# 08 ?@880@;=9=+?>*?9>A 899 08 40;;*+9 7AC0:A;0@? : *;=?# T G8*89 A H I 49 9=" &$-!'? BC 9 &&$#7 /& @;= - =9=E 3((&& C9;=@ 0@?# 8*89 A 9894+ G "2%'"#/ 5 ?0 +*8A 80B +79 +0C 0 +79 49 # 08 B*;A 0;C8OE D94+ ;C *49;+*?# *;*+80C0@? 0 E 08 B089# 8*89 A 49 9= G>A ?@CC89?? 0;I# 9 +798*=8@C9 / +7 B*;A H ?99=9=?+0;9?# 08 *?9C+ 09@ 4 =* B*;A ?99=9=4*C?@ 9 / +7 +79 C *49;+*? 899 08 *++*479=+0 +79 49;+8* 40 @B; " ?+8* :7+# 4A ; =8 4# ;+79 *5 ? 0 * 9?7A* >@B9;" 23$-!')38& "98A?708+' "/)#2!' ?@C98 08 ;+79 =8@C9?# -*8 0@? ;+79 4*C?@ 9?

! 1 -*8A / +7 H 0-@ 9=49 ? 8@ + *=8@C9

0*675.2*3/7	2/26/,5.0	0,5./4-	P 6=160,7
I 045212+2*	,--7*6.0	P 60*7*6.0/7	-6/2 2*,7
2*26257	/25.257/17	2*27601 4:	=76.2307

! " 1 -*8A 49 ? B*;A 0-@ 9= 8@ + 4*C?@ *8

=-,*0:7	/5.0/,7	175/,-	/,2*26,-
,5.07	C 1/0*+0,7	*30/72*,7	/75 1.= 4/7

./2"#)'2'' 2* =' 3, 0/' /2 :' "#)8' ',*' 6 ,0' -6/4564/0' 2 ' 6.0,/' 7*6.0/-' .0=' 7/2' 7 : 2-6' 0#50 ,,-,?7 =' *76,?0-' 2 ' 4-6/7 ,7' D8.0/0' 6.0=' /01/0-0*6' 6.0' 0 ,6.- É *' 08' 2* =' ,*.7;,6,*+' 6.0' 24507 ' 08' h07 7*3' 7*3' 6.0' 75, ,5' - 7*3-' 7*3' 2*0' 246.' : 0/,57' .0' ./2"#)"2.' 7/0' : 2 -6 =' 2/*7 : 0*67' 1 7*6-' 046,?7 Rg3' ,*' 4/2107*' +/00*.24-0-' 2 : 0' 7-' #&&/8$%'' &/.#)/5' .7?0' 7*' 03,. 2' 3/6,12

))) ' 1 ' 4

P ! ! ' bO8' ! :' 0 ' @8OC9' b 08+7' ? *]' *;=' 08+7' B98 4*' ' * +98;*+9#' B>8 4*+9#' 9-98:899;#' ;98-9 9??' o 8 ' +98B ;*#' ?0 +*8A' .' Mk>8*4+9*+9#' 0 ' N' ?9C* ?#' ?9 *+9#' @;9R@* ' ' 7AC0:A;0@?#' ?* -98 ?7*C9=#

F 5
8*;?-98?9' 794+ O;'O ' 8@ +'
GB*: I

B 5 '" 55

F 5 '
L 8@ +' GB*: I

F 5 '
99=' GB*: I,

99=' 4@+' -9 46 A' a

F 5
8*;?-98?9' 794+ O;'O ' O-*8A'
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F 5 '
%97 ?49;+' 8@ +'
GB*: I

F 5 '
+A 9' *;=' ?+ : B*'
GB*: I

0>9=# 9?+ -*+ 0;' B>8 4*+9' - ' # ;?98+9='0;'+>9'4080 *#b0 +9;'* +98;*+ ;:' Y/+7?4* 9?'08' ?+*B ;0=9?]'" :#!/ '8$&b@?@* A]' = *+9='" /8$%'"'& 49 9=#0C9; ;:'>A' '+8*;?-98?9'b8*89 A' 0;: +@= ;*]' B@+40@?' -* -9?#08' 0;9' -* -9' ?0B9+ B9?' *8?+*+9' G -?#)/8$%'"'/' " B.3!!'8' ? BC 9]' % ' 899# b;0+' ?9*+9='0;' *' = ?F]#M'b8*89 A' D' 49 9='" &$-!'' +98B ;* #' ? BC 9'" &$#7 /' M 0>9='" b08/c9?'-98A';@B980@?# *++*479='+0'+>9' ;;98'*;: 9?'0'+79'49 ?# *;*+80C0@?'08'*BC7 +80C0@?]' '+7 ;#+98B ;*+9='>A' +79'C98? ?+9;'M 99 9='?+A 9#0C9; ;:'*+'+79'+0C' ;'M 04@ 4 =*'?9B7?9C+ 980@?'-* -9?' ! ';9*8 A'4@> 4* # 59='>A'*' -9;+8*' 7 @B' +0' 49;+8*' @;:0 =' C *49;+*?'" $'&$/' *5# B9B>8*;0@?# *890 *+9' " - ! ' 08B# bB ;@+9# +989+9]# ;'+79' *5?'0'*' 9?7A' * >@B9;" 23$-!')38&-98A'?708+" "/)#2!'' 0;:# C*8* 9'+0'+79'7 @B

B1#/.'8&#/2'3'" 7*-9' >99;'8949;+A'?+@= 9='>A' 80 9??08' ' 8*A# /70' ?9C*8*+9?' +79B' 80B' "#2/2'2'" 0;'*440@;+'0'+79'*>?9;49'0'*' = ?F' *;='0'*' B*8: ;*+9'?+ :B*# *;='>94*@?9' +79A'7*-9'C94@ *8' *;+7982' *;=' ? BC 9' C0 9;' 79'47*8*4+98.?: -9;' *>0-9'7*-9'>99;' B0= 9=' ;' *4408=*;49' / +7' =?' - 9/?' 9' *??04 *+9?' /!/?' / +7' +79B# *;=' = -=9?'+79B' ;+0'+/0'+8 >9?'*?' 0 0/?

! ! ' ' - B ,7:0*6-' 3,7603' -67:,*230-' $' 750*67-' 6.,59' 73*760' 62' 7' 10/-,-60*6' 52 4:0 7' 0-67' *26' 7G'7*3' /06,54 760 B 4 603' 301/0--03' 0?0/+/00*' 07='4*30/H -./4;-' 07?0-' -:7 ' -0--,0' *0/?0 0--' 0?0/+/00*' >4,60' 0*6,/0' 280/' -2,67/=' 60/:,*7 ' 1 ' !

! ! ' ' ' ! B ,7:0*6-' 7660*03' 7 60/*76,*+' 8,6.'7-' :7*='-67:,*230-' 003-' 8,6.'7' 7G' /06,54 760' 60-67 B' 60:0--' .0/;-' A8,6.' 7' 5/001,*+' /.,M2:0' 07?0-' 2*+ 106,2 03' 6226.03' *0/?03' 0?0/+/00*' 280/-' 2*' 2*+'-5710-' /,-,*+' /2:'6.0'/.,M2:0' C# ':#1

#/.'8&#/' ;7*> +?' 08+7' @80C9' *;='+79' B* *A*?" -?#)/8$%'"/' *;=' /!/?' +79' !;+9=' +*+9?" %3"$#/'+79' !;+9=' +*+9?'*C='$*C*; 1 ;]

.,-' ,66 0' 7:,='52:12-03' 2'6.0'+0*0/7' 1#/.'8&#/'/8)' -?#)/8$%'"/5*764/7 =' 7 -',*62' 1 750' *07/' "#2#8'2'5K?,6.'8.,5.',6',-'7 ,03';='6.0':2*21067 24-'.=12+=,,24-',:;,,5760'52/2 7'6.0'682 50 03'7*6.0/-' 7*3'6.0,/'7*2:7 24-'30.,-50*50'6;0':7*=50 0C3'7*3' 2?4 03'2??/='50*6/7'1 750 676,1*' 254,5,37' 71-4 0' 0-.='7;4:0*'7G,0':;/=2'8223='-60:'7*3',:;/,576,*+' 07?0-' 6'-57/50=3, 0/-' /2:' "#2#8'/#5 0G5016';='6.0',*-0/6,2*'2'6;0'-67:0*-'2*'6.0'52/2 7 6./276

))) ' + !:#-

2 -! / 4' 9&&#'9 1 , , ' 6'8$'8/$ 1 2 -! / 6 4' #8)!

2 ' 383.'$/!39&' 3'"> &9,>.3!-.'$/!39&5 %-.37-839&5 #&3&$' 3839&5 2'&$#(/$#38' 238$3"$')'3"# ,"#2/$' ' - ' N# %-.37-839&5 3"#8&'"$')'38' $%"'23"3!!/5 /8)'3..3&#$"' $3' #$&' !3,'&' ' '!>2' ')' ' &3!#$/"-5 /8/$"3.39&5.'8)9!39&':"3 ' /':98#2!'' &."#87#87':"3 ' $%"',3$$3 ' 3:'$%" 2'!!' 2 ')"-' " - ! ' &$"/#7%$E @* ':/"#8/K 2'39&J ' &9.'"#3"

98>*490@?'08' /00=A':9;98* A'C989;; *' ' J<& '?0B9+ B9?' *?4 4 9=' *+'+>9'+0C'0' *'87 <0B9#?BC 9#9;+89#?9B *BC 95 4*@#?0B9+ B9?'*+98;*+9'0;' *' >8*;47;:'?+9B' / +7'?/0 9;';0=9?#?0B9+ B9?'?708+9;9=';+0'*'C9+0 9'= *+9='*+'+?

N 333 " ' ! 6

8"(> '
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8 9 >
99=# 9 ;+ 89' *;=' 4@+' -98+ 4* A' GB* I

8"(> ' (+9

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>*?9 * ;=* *BC 95 4*@ # 95?+ C@ *+9 o 8 d# 0;? BC 9 08 >8*;479=?4*C9?# ;
@; *+98* ?C F9?# C*; 4 9?# 08?4*8 0@?4*C +@ *" 9*47 0/98 M >8*4+9*+9# ;?@* A
?4*8 0@? . C98? ?+9;+# +@>@ *8# ?4*8 0@?408 *490;?08 798>*490@?# ?0B9+ B9?
40 0@89=# / +7 0 =?*;=*+99+7# 8*89 A C7A Q@? ;?98+9=0;+79 8949CE
+*4 9# ?0B9+ B9?B0;0C9+* 0@?# 7AC048*+98 08B# / +7 *;*880/*;:@ *8 +@>9*;=
C*8+ +9 89:@ *8 B>#B>8 4*+9 ;?9?+ -*+ 0;G !9 #/73 E ?0B9+ B9?0 C9+* ?
40798 ;:>A +79 8>*?9?08 R@ +9 5,99# 40;+08+9=;*9?+ -*+ 0;G $/$#/ - #
0CC0? +9 +0 +79 C9+* ?08 4080 * 0>9?#;?98+9=0;+79 8949C+*4 9 /79;+79 0/98 ?
B0;0C9+* 0@?#*;=0;+79 4 */?0 +79 C9+* ?/79; + ?C0 AC9+* 0@?D:#!/ '8$& E
08B" /8$%'"& ;+808?9# 49 ? ?9C*8*+9 *+ +79 >*?9# 0C9; ;:>A 0;: +@= ;* ? +?
% 899# H 49 9=# / +7 C80B ;9;49?*+ +79 +0C" &$-!'& G8*89 A M I# ;?98+9=
0; +79 C80B ;9;49? +79 0-*8A# = ?+ ;4+# 8*89 A 40;;*+9 &$#7 /&4*C *8A# @8; ?79=
0; +79 8 ;;98 ?@8 *49 / +7 ?9-98* ;9?0 :*;=?# 8*89 A 4*C +*+9 3(9!" ?0 +*8A#
;+80C0@?# ?@?C9;=9= 80B *@; 4 9 59=+0 +79 >0++0B 0 +79 49 o 6 B9BE
>8*;0@?#;4 @=9=;+79 4* A5# ?0B9+ B9?*4*C?@ 9*;= -* -9=*+ +79 +0C# ?0B9E
+ B9 *@+8 4 9 >89*F ;: 889:@ *8 A 555@;=# +? >*?9*;= * 0;: +? ?=9?
;-98+9=# ?0B9+ B9?*CC9*8;: 9894+ >A +79 @; 0; 0 +79 @; 4 9 / +7 +? ;+9:@B9;+?
D !9 ,/73 " - ! ?+8* :7+# ;* *0*;+A *8 ;*490@?* >@B9;" 23$-!')38& *+"
"/)#2!" ?708+# ?@C98 08

! 2 - ! 1 * A5 798>*490@? 080 * B0;0C9+* 0@?
+*B9;? ;?98+9=0; +79 8949C+*4 9 +A 9?40;;*+9 8@ + *4*C?@ 9

G)
I 4:;7+2 2+0,7

! 1 * A5 ?4*8 0@? 08 408 *490@? 080 * / +7 899 08
* B0?+ 899 C9+* ? +*B9;? ;?98+9= *+ +79 >*?9 0 +79 C9+* ? +A 9? = ?+ ;4+
8@ + *@+8 4 9 -

1 /*,0/,7 P 676,50 D +,7,6,- 57*6.2,:2*

O 0 -67 ,*3,5760 6.0 7 ,*,6,0-;0688 00* !9 %/-(8 &? $/8$/-#8 4*30/6.0 7660/ 7:,= .0
3,7+*2-,-2 !/8$/7#8'2" /0-6-2*,6-682 50 03 7*3 :7*= 2?4 03 2?7/=,6-10 6760 -003-,-1 0 -6= 0 7*3
2 7/,*75024-7;4:0* .0 7 ,*,6=,+5 2-0/ ;0688 00* % %/7#8'/7*3 "# 9!/2'W @,*;26.'6.0 7*6.0/-
7/0 ,*6/2/-0 7*3 2112-,60 62 6.0 1067 -6.0 :-6,?76,2*52*62/603 76 07-6 ,* $/$#2'5 6.0 2?7/=2*0 50 03
7*3 6.0 50*6/7 1 750*676,2* /00 6.0 /4,6 210*-5,/54 7/ = 2/ ;= :2/0 2/ 0--10/ 056 ?7 ?0-7*3 6.0
0:;/=2 ,- -6/7,+.6J 6.0 2?4 0 ,- ,*3003 -2 ,67/= ,* !9 ,/7#8'$'5 ;46 7- /2*+C*,7/6 .7- 2;-0/?03 6.0
2?7/=,- -= : :06/,57 8,6. ,?0 *0/?0-7*3 ,?0 -6,+:7-7 8.,5.,*3,5760-7 1 4/7 ,6=2 57/10 - "# 9!/3'2
7/0 3,-6,*+4,-.03 ;= 6.0,/ -,:1 0 -6,+:7 2?4 0- 8,6.7 ?0*6/7 .,4*,7*3 *2* 7/,*75024- 7;3:0*
*3,5.0/ .7- *26,503 -2:0 /0 76,2*-;0688 00* !9 %/7#8'2'5 "983")/2'2" 7*3 !3%9!/"#'/5 24*303 2*'6.0
,* 2/0-50*50 .=12+=*=2*0 50 03 7*3 2*0 2?4 03 2?7/=7*3 7*76/2124-2?4 0J;46 7 4 3,7+*2-,-8 0790*-
6.,-7 ,*,6=D-00 6.0-0 7:,0-F 8.,5.,-6/40/ 8,6. "/8F'8#/2'2' *6.,-7:,='77 ,* !9 %/7#8'2'5 8 0
,*37-60:8,6.-82 0* *230-7-5,5 03 07?0-7* .=12+=*24-,-2-60 : *24-52/2 7 2*62/603 -0-6,?76,2*
7 2*0 50 03 2?7/=-6=0-4/*,-.03 8,6.-6,+:76,5 171, 70 2* 6.0,/ ,**0/ 03+0 7*3 7 7/,*75024-7;4H
:0* !9 %/7#8'2" 7*3 3!-738'2" :7=7-2 ;0 52:17/03@ ,* ;26.'6.0 -67:0*-7/0 .=12+=*24-6.0

2?7/=,-2*0 50 03 7*3 2 ,0 2?4 03 6.0 -6= 0-7/0 3,-6,*56 2/52.0/0*6 7*3 6 ,0 7 ;4:0*,-7/,*75024-J ;46 .0/0 7+7,* 6.0 3, 0/0*50-0G5003 6.0 /0-0:; 7*50-

!9 ,87#8'2" 7/0 52-:212 ,67*1 7*6- $/$#2",*.7;,6-:7/,6,:0 -.2/0-7*3 -7 6 7*3-2 6.0 60:12 /760 /0+,2*-2 ;26. .0:,-1.0/0- " '"#/ ,-3,-10/-03 2?0/ ;26.52*6,*0*6-J :7*=-105,0-+/28 2* :24*67,*-,* 6.0 7/56,5 7*3 7*67/56,5 /0+,2*- %$,2$@3 '8"3.2'/ ,-6.0 2* = 4/2107* -105,0-2 6.0 +0*4-J 6 ,0 26.0/-7/0 6/21,57 7*3 -4; 6/21,57

.0 07?0-2 " '"#/ 7/"#& 7*3 6.0 /226 2 $/$#2" # 2 #9 5 7 6.24+.12--0--,*+305,303 62*,5 :,3 7-6/,*+0*6 1/210/6,0-.7?0 7 0* ,*62 3,-4-0 .0 /226 2 !/$#:3!#/5 7 -105,0-*07/ # 38#9 5 8.,5. ,7- ;00* /050*6 =,* 12/603 /2: 4--,7 52*67,*-7 7/+0 >47*6,6=2 +7 ,5 75,3 8.,5. /0*30/-,6 4-0 4 ,* 67**,*+7*3 2/ ; 759 3=0- .0 4:;7+2-52*67,* 7 ?0 =574-6,5 52 24/,*+ :7660/J 6.0 /226 2 D;0 4/2107* -105,0-52*67,*-7 766= -4;-67*50 8.,5. +,?0-7 0730* 52 24/62 ,*+0/-7*3 1710/7*3 8.,5. 87-2/:0/ =4-03 2/6236.75.0 5467*024-3,-07-0-7*3 57*50/24-4 50/-J -4/+02*-.7?0 +,?0* 41 ,6-4-0 ;46 ;0++7/-:790 4-0 2 ,6 62 1/23450 -2/0-7*3 6.4- 0G5,60 1,6= 7*= :0/,57* 7*3 -,76,5 -105,0- G !9 ,/73 J'-!/ 2/5 "3&'/5 &2/8 '8&'7/0 52*-,30/03 ,* *3,7 62 ;0 7 0G,1.7/:,5- 2:0 26.0/-G /">A .//8$D 5 22'"9!'/5 "5 7/0 54 6,?7603 ,* 4/210 7-2/*7:0*67'1 7*6-

))) + - H 6 ! ((B 2 - G L B

2 5 " (5 > (" 5 > (B (S ' &' " = - 55 "" 0" % '0 "" &'Q 5" " >" 0 '(" &' 2?4 - 9 &' '" 55 " ' ,66/, 5 (" " - ! " ((S & "

! 8,6.7 8223= /.,M2:0 -2:06,:0- 64;0/24- ?0/=/7/0 =-46 /460-50*6 - +0*0/7 = 7 -4;60//7*07* /.,M2:0 + 7*3 326603 -2:06,:0- 7 /73,57 7*3 64 603J -2:06,:0- 574 ,*0 2112-,60 2/8.2/03 ?0/=/7/0 =7 60/*760 0G-6,14 760 " 8 /0+4 7/ ?0/=/7/ =-4; ,//0+4 7/ -2 ,67/=7*3 /73,57 2, ,* -5712-0 4:;0-2/ 7G, 7/=7*3 6.0* -2 ,67/= 2/ /750:03 ,* 60/:,*7 -1,90- .64;4 7/ E ,3 2/ 17/6,60 /7/0 =% < ' ,3g : 2*21067 24-/26760 57:17*4 760 ,* 4*3,;4, 2/:2/ -4; T 7;,760 = B ?0/= /7/0 = (1067 03 8 "" 0 B 2/ $ D=" (9B - ,*-0/603 1* 6.0 52/2 7 64;0 2/ 6./276 2112-,60 62 ,6- 3,?,-,2*-2 60* 7 60/*76,*+ 8,6.7-:7*= 1067 2,3 -57 0- D & B " ,H 2/:2/ -4;4 760 4-47 = ?0/= -.2/6J ,*6/2/-0 T 00 03 -2:06,:0- -.2/60/ 6.7* 6.0 52**056,?0 30.,-50*50 2*+,643,*7 % /00 2/ /7/0 = 0*5 2-03 ,* 6.0 /05016754 7/ 5414 0 D1 "(B .0 "" & 5" 50*6/7 2/ ;7-,7/ /00 + 2;2-0 -0--,0 2/ -6,1,6760 52*6,*424- 8,6.6.0 52*3456,*+6,--40 2 6.0 -6= 0 J " ("-,:1 0J -;C :2 4*3,?,303J '(" ((10 6760 -0:,7*76/2124- 2/ ?0/= /7/0 = 7*76/2124- ; 1 "(B 50 03 210*,*+76 6.0 5 2/ 6./24+.H 246 ,6- 0*+6. ;= ?7 ?0- 2/ ;= 0*6,/0 2/ ;, ,3 6006. 2/ 6/7*-?0/-0 = 9 -0--,0 ,* 6.0 1,6- 2 6.0 1 750*67 .,4: ?0*6/7 /7/0 = ;7-,7/ " - ! > 17/7 0 62 6.0 .,4: ,* 6.0 7G,- 2 7 0-.= 2/ -4; .2/*= 7 ;4:0* J " & -0:,5= ,* 5 /,5 J "/)#2!'?7+40

8 B8O?9 '
* A5' GB*: I

8 B8O?9
?+ ' GB*: I

8 B8O?9 ' 0 / 98'4@+' -98+ 4* A' GB*: I#

' 8 B8O?9
%97 ?4 ; :'4*C?@ 9' GB*: I

A4 *B9;
99=#9;+ 89' *;=' 4@+' -98+ 4* A'
GB*: I

A4 *B9; '
0 / 98'4@+' -98+ 4* A#

A4 *B9;
O8O *' *;=' *;=8O9=@B' * =' OC9;

A4 *B9;
% *:8*B

<(

! ' ' 5 -*8A' 899' *C?@ 9' 0C9; ; :' >A' -* -9?# 99=?' / +7 *' >*? *8' 7 @B 1 R@*+ 4' ?@>B98:9=' C *; +?

2662*,7

! ' " ' - (' -*8A' ?9B ; 98 08' *C?@ 9' 0C9; ; :' >A' -* -9?' 99=? / +7' *' >*? *8' 7 @B

7 : 2 4-

O 0' .7?0' : 0*6,2*03' 6 . 0' 7 ,*,6,0-' 2 ' "# P' 8,6.' #" + ' 7*3' + ' . G 6 . 0-0' 7 : ,H ,0-F ' .0=' 7,#0' : 45.' : 2/0' 5 2-0 =' 7 ,03' 62' ' .=' 6 . 0' .=12+=*24-' 2/' 10/,+=*24-' 52/2 7 ' -67 : 2*-' 2112-,60' 62' 6 . 0' 52/2 7 2 ;0-' 50 03' 2?7/=' /00' 50*6/7 ' 1 750*676,2*' ?0*6/7 ' ., 4 : ' 2 ' 6 . 0' 2?4 0-' 7*3' 7 ; 4H : ,*24-' 0 : ; /=2' ' 2* =' 3, 0/' ,*' 6 . 0,/' 8223=' -60 : ' 7*3' 0-.=' /4,6

"# ' : 2-6 =' ,* . 7 ; ,6' 6 . 0' 60 : 10/760' /0+,2*-' 2 ' 4/210' 7*3' -,7J' : 7*=' -105,0-' 7/0' 7 1,*0 ' 08' 7/0' 24*3',*' 6 . 0' -246 . 0/*' . 0 : ,-1 . 0/0' 0G501 6' C #" ' 6 . 0' -105,0-' 2 ' 8 . ,5 . ' 7/0' *4 : 0/24-' ,*' 4-H 6/7 ,7' 2 : 0' +0*0/7' 7/0' : 06' 8 ,6 . ' 2*' 6 . 0' : 24*67,*-' 7*3' - . 2/0-' 2 ' 6 . 0' 6/21,57' M2*0

"# ' ' : 2/0' /0 : 7/97; 0' 2/' 6 . 0,/' ; 0746=' 6 . 7*' 2/' 6 . 0,/' 46, ,6=' 7*=' -105,0-' 52*67,*' 7*' 75/,3' 7*3' ?2 76, 0' -4 ; -67*50' ,*' 6 . 0,/' /226-' 26 . 0/-' 7*' 0G6/7567; 0' ; ,660/' 7*3' /0-,*24-' -4 ; -67*50' ' 6 . 0' 2 ,7+0' 2 ' -2 : 0' ,-' 7-6/,*+0*6J' 6 . 0' 280/-' 2 ' : 2-6' 7/0' -8006 -50*603' . 0' / . ,M2 : 0-' 2 ' 6 . 0' /, : /2-0' % "# ' / 80/0' 2/ : 0/=' 0 : 1 2=03' 2/' / . 04 : 76,- : ',*' 6 . 0' 2,*6-' 7*3' 2/' 3,-07-0-' 2 ' 6 . 0' 9,3*0=' 7*3' ; 7330/J' 7*3' 7*' ,* 4-,2*' 2 ',6-' 280/-' ,-' -6, ' 1/0-5/, ; 03' 7-' 7' 3,71 . 2/06,5' /, : /2-0' 8,*0' ,-' : 730' /2 : ' 6 . 0' 280/-' 2 ' ' "*' ' . 0' 4/,54 7' % "# ' " "# &/' ,-' 0 : 1 2=03' ; =' 6 . 0' *76,?0-' 2 ' 6 . 0' 1-' 7+7,*-6' 14 H : 2*7/=' 52*-4 : 16,2*' . 0' 64; 0/24-' / . ,M2*,0' 2 ' 6 . 0' # ' " ! ',-' 75/,3' -6/2*+ =' 14/+76,?0' 7*3' 0?0*' 0 : 06,5J',6' 2/ : 0/ ='0*60/03',*62' 6 . 0' 528 12-,6,2*' 2 ' 7*' 2,*6 : 0*6' O . ,5 . ' 711 ,03' 62' 6 . 0' -62 : 75 . ' 14/+03' 2/' 574-03' ?2 : ,6,*+' *' -2 : 0' 524*6/,0-' 6 . 0' 12830/03' / . ,M2 : 0' ,-' 0 : 1 2=03' 62' -6410 =' ,-. J ; 46' 3/,03' 7*3' /27-603' ,6' ; 052 : 0-' 03,; 0' 2*' 75524*6' 2 ' 6 . 0' -67/5.' 8 . ,5 . ',6' 52*67,*-' 7*3' 1,+-' 076',6' O,6.' 7?,3,6=' 8 . 0*50',6-' 52 : ' 2*' *7 : 0' 2 ' 28; /073' . 0' , ; 10/*0 -' 80/0' 2/ : 0/ =' 1/0-5/, ; 03',*' 3/21-=' 01, 01-=' 7*3' 0?0*' ,*' . =3/21 . 2; ,7' . 0' -105,0-' 2 ' " ' 0-105,7 =' h ' " "# ' 80/0' 52*-,30/03' 7-6/,*+0*6' ; 46' . 7?0' 7 0*' ,*62' 3,-4-0' 7-' . 7-' C #" ' . 0' ' 2 ' 2*610 ,0/' ,-' 7*' 4*30/-./4; ' 52*67,*,*+' 7' ; ,660/' *74-024-' 1/,*5,1 0' 6 . 0' 4-0' 2 ' 8 . ,5 . ' . 7-' ; 00*' -4++0-603' ,*' -=1 . , ,-

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' 2/' ! ' ' +0*0/7 =' 7 60/*760' #-, : 1 0' 52/,75024-' + 7*3 *' g V

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; =8494 @B' = 9+*479=' 80B'
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O 0 .7?0 ,*3,57603 6.0 7 ,*,6= %'$("''8 + -"&#8'"& 7*3 "# 9!/2'<5 8.,5.',-2 5 2-0 6.76 6.0=: eg.6 .0 4*,603 D-00 "# #%2'3d 5

+-"&#8'"" 1/,*5,17 =,*.7;,6 6.0 6/21,57 M2*0 2 -,7 7*3 : 0/,57J 6.0 7/0 /7/0 ;0=2*3 6.0 6/21,5-7 6.0 710 2 223 210 ,* 4-6/7 ,7 _ 08 h07 7*3 S !717*' 7*3 6.0 7*7/,0- %'3.%"8&$/ ,-7* : 0/,57*' +0*4- +2'&/ ;0 2*+-' 62 6.0 3 O 2/ 3J ")#&#/' 62 6.0 .26 /0+,2*-' 2 -,7 /,57 7*3 : 0/,57 7*3 0G60*3-' 62 6.0 7*7/,0- .0 /4,6 2 -2 :0 -105,0-' 2 ")#&#/' ,-' 03,; 0 .0 07?0-' 2 /37#)8#/' 7/0 4-03 ,* : 0/,57 62 -6410 =,-. ,90 6.0 /.,M2 :0-' 2 -2!/ '85 7*3 6.0,/' /4,6 ,-' 12,-2*24-. 0 -003-' 2 ' /" #!!/"#& 80/0 -6/4*+ ,90 107/ -' ;='6.0 */,;;07*-' 62 2/ :' ;/750 06- .0 5/4-.03 -003-2 !#'3.%"/&$/' 9&&)5 57 03 76 6 2:,*+2 '$#$ 3'85 /"'' 4-03 2/' : 79,*+' ;/073

07/' +-"&%#'2'',-'1 7503 6.0 +0*4-' 7#2'"/&$ 8.,5.'52 : 1/,-0-'-./4;-'+/28,*+' 2*'6.0 -.2/0-' 2 '6/21,57 -,7 7*3 507*,7 8,6.' 7 60/*760 07?0-' 7*3 .0/ : 71./23,60 280/-',*' 7*' 4 : ;0 ,0 52/2 7 -67 : 0*-

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50 -' 7-20*3,*+' /2 :' 6.0' ;7-0' 2 ' 6.0' ,**0/' 7*+ 0 ' 7*76/2124-' 44, ' 7' 2*0 ' 2/' : 7*= 50 03' ;0//=' _7' % ?7 ?03' 571-4 0' ,*' 38$'"#/`' ' 8,6.' 7' ;2*=' _2/' 5/4-67 ' 5024-' *07/ =' -.,*,*+S' 60-67J B!##!(' 2 60*' 7/+0' 7*3' 2*+,643,*7 S' J /!,9 '8' $'2/' -57*6=' 0-.=' 2/' 2, =' " -! ' 7/+0J' 23$-!')38&' ;/273 ' 2 ,7502*-: 3,5h2',* 0/,2/

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X' /.3$' ' 711/275.' +-"&#8' ',*' 6.0,/' .=12+=*24-' :2*21067 24-' 52/2 7' -67:0*-' 2112-,60' I62' 6.0' 2/2 7 2;0-' 4-47 =' 0G6/2/-0' 7*6.0/-' -6/7,+.6' 7 ;4:,*24-' 0:;/=2' 8223=' -60:' 7*3' 7 60/*760' 07?0-J 6.0=' 7/0' 3,-6,*+4,-.03' ;=' 6.0,/' 7*,-2-60:2*24-' 52/2 7' :7*= 50 03' 2?7/=' 7*3' 7*76/2124-' 2?4 0-' .0=' .7?0' 7 -2' 7*' 2;?,24-' 7 ,*,6=' 8,6.' %'8/2'2'',*' 6.0,/' 7/;2/0-50*6' -60:' 7 60/*760' 0*6,/0' 07?0-' 7G, 7/=',*H 2/0-50*50' :2*21067 24-' .=12+=*24-' /0+4 7/' 52/2 7' :7*= 50 03' 2?7/=' 0-.=' /4,6' 7*3' 7 ;4:,*24-' 0:;/=2J ;46',*' % /2'2''6.0' 8223' ,-' 0/=' .7/3'7*3'6.0/0',-' *2':,9=' 4,50' 6.0' 280/-' 7/0' 2 60*' 4*,H -0G47 ' 6.0' 57 =G' 7*3' 52/2 7' 7 87=-' 4*,-0/,760' 6.0' 7*6.0/-' 7 87=-' ,*6/2/-0' 6.0' 2?4 0-' +0:,*760' 10*34 24-' 7*3' 52 760/7

.,-' 7:,=',*.7;,6-' 6/21,57' 7*3' -4; 6/21,57' /0+,2*-' 7*3' ,*5 430-' -0?0/7' -105,0-' 4-0 4' 62' :7*' .0' /4,6-' 2' 929 /' 8 3&/' _6.0' 7/:7 730' 2' 6.0' O 0-6' *3,0-S' 7/0' 7' ?0/=' 7+/007; 0' 223J' 7-' 7/0' 6.2-0' 2' 2%"/&' /.3$/' 7*3' _?7/,24-' -105,0-' 2 S' %"-&3.%-!!9 5 8.,5.' 7/0' :45.' -24+.6' 7 60/' ,*' 6.0' *6, 0-J 6.2-0' 2' /&)/' 7*3' %#2/"#/5' -,76,5' +0*0/7' 7/0' 7 -2' 03,; 0' /2:' 6.0' -003-' 2' /&&#/' %$$$-' "/2'/5',*' *3,7' 7*3' 2' ' /"F##5',*' 0*0+7' 7' ,G03' 2,',-' 0G1/0--03' D 7 7:' 4660/F' 8.,5.' >4,59=' 54/3 0-' 7*3',-' :45.' 4-03' 7-' 223' 6.0/' /.#3$'/5';26.' -,76,5' 7*3' /,57*' D #)'"3 "-!385' "-/8### 5' 7/0' 0:1 2=03' 2/' ;4, 3,*+' 14/12-0-' 2*' 75524*6' 2' 6.0' .7/3*0--' 2' 6.0' 8223' 8.0*50' 6.0,/' *7:0' 2' /2*' O223' ,*7 =' 7' 7 7=7*' 6/00' D &38/8)"/' 79$$)' 4/*,-.0-' 4667' 0/5.7' 7' -4;-67*50' 2' 7' /0-,*24-' *764/0' 7 ,03' 62',*3,7 /4;;0/' 8.,5.',-' -2' 4-0 4',*' ?7/,24-' :7*4 7564/0-' /2:',6-' 1 7-6,5,6=

_ 6.0/' ?7 47; 0'6/21,57' /4,6-' 7/0' 6.0' 67/ 11 0' D %"-&3.%-!!9 ' /#8#$) 5' 6.0' O 0-6' *3,7*' 03 7/' D+# 9&3.&' !'87# 5' 6.0' 4 0 6/00' 2' 4,7*7' D+' /!/$/-5' 6.0' ;,'2/' ;4,' 2' 0/4' /# ##3 5 7*3' 6.2-0' 2' 682' 74/,6,7*' -105,0-' 2' %"#2/"#/' .0' +0*4-' /&&#/' 52*67,*-' ' /"F##5' 6.0' 4660/ 6/00' 2' 7/9' 8.,5.' 1/23450-' 6.0' .07' 4660/' 2' O0-6' /,57J ' %9$-"/2'/' 7*3' '!98-#:3!#/5' *3,7*' 4660/' 6/00-' 8.,5.' :790' 7*' 0G50 0*6' -271J ' !/$#:3!#/5' 6.0' 7.247' 2' 0*+7' /2:' 8.2-0' 0-.=' 280/-' 7*' 7//759',-' :730' 8.,5.',-' 0G60*-,?0 =' 3/4*9' .0' 280/-' 2' +# 9&3.&' !'87#=,0 3' 7' /7+/7*6' 0--0*50' 7*3' 6.0' -003-' 7*' 2,' :45.' 4-03' ;=' 17,*60/-' .0' ;7/9' 2' 3, 0/0*6' -105,0-' 2' +# 9&3.&5 2%"/&' 7*3' 9 '!#/' ,-' ;,660/' 7-6/,*+0*6' 7*3' 0;/,4+0' .0' -003-C' 2' 2%"/&' 7*3' /.3$/' 7/0' 710/,0*6' 7*3' 3,4/06,5' .0' /4,6' 2' 6.0' 7/2557*' "7/8#/' #)'"3 (-!38',-' +/003,=' 0760*' ;=' 5766 0' 7*3' +276-' 7*3' 6.0' -003-' 8.,5.' 6.0=' 17--' 7/0' 7 60/87/3-' 52 05603' 7*3' 5/4-.03' 2/' 6.0' ;7*3' 2,' 8.,5.' 6.0=' 52*67,*' 7*3' 8.,5.' /,?7-' 2,?0' 2,' 7-' 7*' 7/6,5 0' 2' 223' 7*3', 4:,*76,2*J',6-' 8223',-' ,*60*-0=' .7/3' 7-',-' 6.76' 2' 6.0' 4,7*7' 4 06 6/00' 7*3' 2' ?7/,24-' -105,0-' 2' +%89&3.&' 7*3' #)'"3?-!38' 7-6='6.0' 28 6/00' 2' 7/7' D+/&&/"/8)9,/',-' 1/2;7;=' 7' -105,0-' 2' 6.,-' 7:,=B * S

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"98+ 4*' ?94+ 0;' 0' 8@ +' F 5
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0 ' +383. '$/!39&5 %-.37-839&5 "'79!/"5 V>R>!3, ')5 /'#)#(/$#38' # %"#29$' '
= ' #8&'"$') ' 38' $%'' 23"3!!/' 3'' "'2'.$/2!'5 'M9/!!#87' $%'' 23"3!!/>!3%'&5 3'')39,!'' 3''
M9/)"9.!'' #8' 89 ,'"' 7 +!,':"'' '5 3:' /8-' #OH>3(9!')' 2'!!&0 "! ' .'8)9!39&5 /8/>
$"3.39&' : - ' /' , '""-' >#' /!,9 #839&' ' &9.'"#3"
' 08' ' / + ' =9;?9' 0 +9;' -98D' 7*8=' *;=' > *4F' /00=' M ' * +98E
;*+9# 408 *490@?# 9;+ 89# 95?+ C@ *+9 ' : * ' 8*89 A' d # @?@* A' = 094 0@?' GO-*8A' 0 '
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0/989=' >A' *889?+' 0 ' +79' *+98* ' 0/98?' . ')#2'!&DO ;+9=' *+' +79' +0C ' "$' M =#
?@> 9R@* # C98? ?+9;+ ' ;?98+9=' 0;' +79' 8949C+*4 9# B0;0C9+* 0@?# =94 =@0@?#
@8490 *+9# 408 *490@?# @?@* A' C@>9?49@+' 0@+? =9# : *>80@?' / +7 ;'' !# ,' M 1N =#
9?+ -+ 0;' B>8 4*+9 40;-0 @+9 ' = ' ;?98+9=' *+' +79' >0++0B' 0 ' +79' 4080 *# 08'
?0B9+ B9?' 0;' +79' 8949C+*4 9# =0@> 9' +79' 4080 * 0>9?' ;' ;@B>98# 8*89 A' R@*=8@C 9#
-98A' 8*89 A' 9R@* ' B+/,)`5 *;=' +79;' * +98;*+9' / +7' +79B' ' :#!/ '8$& 899# 08' @; +9=' ;'
C* 8?' >9 0/' /8$%'"& ;+80 ?9# 49 9=# >*? 59=# *;490 *+9# =97 ?49;49' 0;: +@= ;* '
>' ?9?? 9# M B*;A,49 9=' &$-!'' 8*89 A' ? BC 9'' &$#7 /& ? BC 9' 08' ='' 3(#)2&
?0 +*8A' ;' 9*47' 49 # 08' :9B ;*+9# C9;=@ 0@?' 80B' +79' +0C' 0 ' +79' ; ;98*;: 9' 0 ' +79'
49 # *;*+80C0@?# 8*C79' 95+98;* ' K "' : 0>0?9' 08' 0-0 =# B089' 08' 9??' ?@44@ 9;+#
@?@* A' 9/ ?99=9=' 80B' *889?+' = ' ;-98+9=' $'&$/' B9B>8*;0@?' " '*5 9#
08' 0> R@9' ;'*'4*8+ *: ;0@?'* >@B9;# /7 47' ?'+/ 49'*?' 0;:'*?'+79' 9B>8A0' 23$-!')38&
0 *490@?# 0-* # ;9*8 A' 9R@* ' ;' 9;:+7' +0' +79' ?@C98 08' 8*= 4 9

6 '

P .,2-1=,C2- P 2=0*7' 45 07' 7;7

%'8/2'2'' 80/0' 2/:0/ =' 4*,603' 62' $-"/2'2 @ ,*' ;26.' 6.0' 52/2 7' ,-' (' 2;03' 6.0'-67:0*-' *4:0/24-'
7*3' 7-5,5 03' 6.0' 2?7/=' :7*= 50 03' 6.0' /4,6' 0-.=' 6.0' 0:;/=2' 7 ;4:,*24-' 7*3' 7G, 0' 6.0' -60:' 7/;2H
/0-50*6' 6.0' 07?0-' 7 60/*760' 7*3' 280/-' 7G, 7/=J ;46' $-"/2'2'' 3, 0/' ,*' 6.0,/' /750:03' 280/-' 01,+=*24-'
2/' 10/,+=*24-' 52/2 7' -0:, ,* 0/,2/' 2/' ,* 0/,2/' 2?7/=' :2/0' *4:0/24-' 2?4 0-' 7*3' 0-.=' 7 ;4:0*' ,0'
7 ,*,6=' 2' ,'8/2'2'' 8,6.' !'#8'2'',-' 24*303' 2*' 6.0' .=12+=*24-' 7*3' /0+4 7/' 52/2 7' : 7*= 50 03' 2?7/='
+0:,*760' 10*34 24-' 7*76/2124-' 2?4 0-' ;0//,03' /4,6' -6/7,+.6' 7 ;4:,*24-' 7G, 0' 0:;/=2' 7*3' 8223=' -60:'
!'#8'2'' 3, 0/',*' 6.0' _:2/0' 2/' 0--S' ?7 ?760' -0-6,?76,2*' 2' 6.0' 52/2 7' 0-.=' 7 ;4:0*' 7*3' 2112-,60' 07?0-'
, /2'2'' 711/275.' !#2#8'2'',*' 6.0' .=12+=*=' 7*3' 70-6,?76,2*' 2' 6.0' 52/2 7' : 7*=' 2?4 03' 2?7/,7*' 50 -'
10*34 24-' 7*76/2124-' 2?4 0' 0-.=' /4,6' -6/7,+.6' 7 ;4:,*24-' 0:;/=2' 8223=' -60:' 7*3' 7 60/*760' 07?0-J'
;46',*' !#3#8'' '' 6.0' 52/2 7',-' *07/=' 12 =1067 24-' 7*3',-2-60:2*24-J 6.0' /4,6',-' 7' 3/410' 6.0' 0:;/=2',-'
:,*460' 76' 6.0' 621' 2' 6.0' 0-.=' 7 ;4:0*' 7*3' 6.0' 07?0-' 7/0' 10/-,-60*6' !7*0;2*' /052+*,MO-' 7' 50/67,*'
/0 76,2*-.,1' ;0680 0*' ,'8/2'2'' 7*3' / '! /2'2'' 6.0=' 7+/00' ,*' 6.0' ,*-0/6,2*' 7*3' i0-6,?76,2*' 2' 6.0

52/2 7' *4 : 0/24-' -67 : 0*-' 52 /0/0*6 , 7 : 0*6-' : 7* 50 03' 2?7/= ' 10*34 24-' 7*76/2124-' 2?4 0-' 0- ,=' /4,6' 7 ;4 : ,*24-' 0 : ; /=2' D2 ' : 7*=' +0*0/7F' 8223=' -60 : ' 7 60/*760V 07?0-' 7*3C 2 60*' 4*,-0G47' 7G, 7/=' 280/-J ;46' ,*' / '!!#/2'2 ' 6 ;0' 52/2 7' ,-' 12 =1067 24-' /b' -4 ; 12 =1067 24-' 7*3' 6 .0' -67 : 0*-' 7/0' ?0/=' *4 : 0/24-

, /2'' '" +/28' ,*' 6 ;0' 6/21,57' _7*3' -4 ; 6/21,57 S' /0+,2*-' 2 ' -,7 ' 246.' /,57' 4-6/7 ,7' 7*3' : 0/,57' J 6 .0=' 7/0' /7/0' ,*' 6 .0' 03,60//7*07*' /0+,2* ' ,'$#/' ' /' 7/0' 0-' *26,507 ; 0' 2/' 6 .0' ;0746=' 2 '6 .0,/' , 280 -' 7*3' 6 .0' 46, ,6=' 2 '6 .0,/' /4,6-' 2/' -003-' 6 .7*' 2/' 6 .0' .7/3*0-' 7*3' 52 24/' 2 '6 .0,/' 8223 V ' ;2*=' ,-' 6 .0' 1/2345 6' 2 '1 #3&.-"3&' %'89 5' '!/83?-! 5' , /&$'"5 $3 $3&/5' "2' _ .0' ;0-6' ,-' 6 .0' 74/,6,7*' =,0 303' ;=C 1 '"' $#29!/$/J 6 .0' *0G6' ;0-6'6 .76' /2 :' 6 .0' 5' %'8 %4" .0' .07/6 8223' 2 '6 .0-0' 6/00-' ,-' 4-47 =' 10/ 056 =' ; 759 '6 .24+ .' -2 : 06, : 0-' : 7/903' 8 ,6 .' 78* 52 24/03' ,*0-' 7*3' ,6-' +/7,*' ,-' -2' ,*0' 6 .76' 8 .0*' ,6' ,-' 12 ,- .03' *2' 6/750' 2 ' 8223=' ,; /0' ,-' 10/5016, ; 0 ' 6' ,-' 8 .,60' 8 .0*' =24*+' 7*3' 37/90*-' 8 ,6 .' 7+0' J 6 .0' 52 24/' 2 '6 .0' 7 ;4 : 4 : ' 52*6/7-6,*+' 8 ,6 .' 6 .76' 2 ' 6 .0' .07/6 8223' 2 : 0' -105,0-' 2 ' #3&.."3&' .7?0' 03, ; 0' ;0//,0-' 7-' 6 .0' ' 3$9&' 2 '6 .0' 03,60//7*07*' /0+,2* ' ' 6#"7 #/8/' _6 .0' 0/-, : 2*' 2/' 760' 4 : ' 2 '6 .0' *,603' 6760-S ' 7*3' ' * /F# _2 ' !717*' 7*3' .,*7S ' 8 ,,5 .' /"'' 54 6,?7603' ,*' 6 .0' 210*' 7,/' ,*' 4/2107*' +7/30*-' 7*3' 6 .0' 7660/' 2 ' 8 .,5 .',-' : 45 .' 0-600 : 03' ,*' .,*7' 2/',6-' ;0//,0-' 8 .,5 .' 8 .0*' : 0 28' 8 , ' ;07/' 52 : 17/,-2*' 8 ,6 .' 24/' ; 0-6' 71/,526-' B ' M9'&#!/5 2 ' 0= 2*' =,0 3-' 6 .0' ;C0746, 4 ' 7 7 : 7*30/' 8223' .0' + 46,*24-' 4,50' 2 ' 6 .0' /4,6' 2 ' ' 8#%"-3.$'"#&',-' 0G60*-,?0 =' 0 : 1 2=03' ,*' 574 9,*+' ;276-' 7*3' 5276,*+' ,-. ,*+' *06-' ,*' *3,7J ,6' =,0 3-' 7' 1280/ 4 ' 7-6/,*+0*6' 4-03' 2/' 67**,*+' 14/12-0-' ' -1,/,6424-' ,>42/' ,-' 3,-6, 03' /2 :' 6 .0' /4,6-' 2 ' ' 6#"7 #/8/5' 6 .0' ;7/9' 2 ' 8 .,5 .',-' 7' ; ,660/' 0 ; /, 4+0 B * S

3 3 3 3 '

0@+7' B98 4*;' - % M ' * +98 ; *+9# B9B>8* ; 0@?# 9 ;+ 89# 95?+ C@ *+9 ' * ' ;' +98B ; *' 08' *5 *8A' 8*49B9?' "$' N =' 08' C*8+ +9 ' : ' # ? : 7+ A' ! ; +9=' *+' +79' >*?9# *;=' / +7' +79' *B9;+?' ;?98+9=' 0;' +79' 8949C+*4 9# *9?+ -*+ 0;' 40 ;+08+9=' +0' 9 +' 08' 8 : 7+# ?0B9+ B9?' 40;-0 @+9 L' = ' ' 08' H #6 ;?98+9=' / +7' +79' C9+* ?'D :#!/ '8$&' ?@>@ *+9# = *+9=' >9 0 /' +79' B == 9'D /8$!#'8' ; ' +8O8?9# 49 9=# =97 ?49 ;49' 0 ; : +@= ;* ' # ' 899# b ; 0+' ;?98+9=' 0;' *' = ?F]# ' 49 9=' &$-!'' ?7O8+' &$#7 /' 0 ' ' *4@+9' 0>9?# 08' ?9?? 9# C9 +*+9' * ;=' 0>?4@89 A' 0>9=' D 3(9!'& H' 08' BO89' ;' 9*47' 49 # C9 ;=@ 0@?' - ' 9 +798' *' 9?7A' 49 9=' -* -9=' H ?99=9=' 4*C?@ 9' D -"#!!/ 5' 08' *' ;9*8 A' =8A' =8@C9' / +7' ' / ; :?# ' 49 ?' * ;=' ' ?99=?' B !#:$38#/ ' = ' ; -98+9=' ' ?+8* : 7+# 4A ;=8 4# ;' +79' *5 ?' 0 ' *' 9?7A' * >@B9;'D "/)#2!'' ?@C98 O8

=/, 7' , 62*,7' ,266,7

-"#!F ' 711/275.' "#2#822'' ,4' 6 .0,/' .=12+=*14-' ,-2-60 : 2*24-' 2/' 3,1 2 -60 : 2*24-' 52/2 7' 6 .0,/' 52*H 62/603' 20-6,?76,2*' : 7*= 50 03' 2?7/=' 8 ,6 .' 10*34 24-' 2?4 0-' 4-47 =' 571-4 7/' /4,6' 7 ;4 : ,*24-' 7G, 0' 0 : ; /=2' 8223=' -60 : ' 7*3' 7 60/*760' 07?0-J' 6 .0' 1/,*5,17 3, 0/0*50' ,- ,*' 6 .0,/' 7*6 .0/-' ;0,*+' *2/ : 7' ,*' -6/4564/0' .0' -7 : 0' 5 .7/7560/-' 52**056' 6 .0 : ' 8 ,6 .' !#(#8'2'5 8 .,5 .' .7?0' ;0-,30-' 7-' ,*' -"#!!/5' 6 .0' 1067 -' 52**05603' 76' 6 .0' ;7-0' ;=C 6 .0' -67 : 0*-' *2/ : 7' 7*6 .0/-' 7*3' 3/4175024-' /4,6J ;46' ,*' -"#!!/' 6 .0' 280/-' 7/0' /750 : 03' 7*3' 6 .0' 0 : ; /=2' : 2/0' 0 2*+7603

,*7 =' -"#!!'2'' : 7=' ;0' 52 : 17/03' 8 ,6 .' #$$3&. 4'2"@ ;26 .' .7?0' ,?0' .=12+=6,24-' 7*3' ,-2-60 : 2*24-' 1067 -' 7' : 7*= 50 03' 2?7/=' 7' 571-4 7/' 2/' 0-.=' /4,6' 7' 8223=' -60 : ' 7*3' 7 60/*760' 07?0-J ;46' ,*' O2' U12/0RL' 6 .0' 2?4 0-' 7/0' 7-50*3,*+ 7*3' 6 .0' 0 : ; /=2' ,-' : ,*460' B -"#!!'2'' 7/0' 7 ' *76,?0-' 2 ' 6 .0' 246 .0/*' 6760-' 2 ' 2/6 .' : 0/,57' 7*3' .7?0' *2' 9*28*' 4-0- B * S

3 3 3 3 ’

A
" 98+ 4* ’ 24-+ 0 ;’ 0 ’ 0 / 98’
@ *+ I

5
’ / 6 ! 0 / 98’ 80B’ / 7 47’ *’ C9+* ’ **’ K94;’
89 %0-9 ! ’+0’ `70 /’ +79’ 0 - *8A’ G@ 0 : W

’’’’ ’
8@ +’ GB* : I

G :0\

8* ; ? - 98?9’ / 9+ 0 ;’ 0 ’ 0 - *8D
GB* : I

3 ' 6 E%

3 ' 1<?@, 6(

' 4'./"$# 5' 9&&#'9 B , ' #2%/") 5 ! 4' *)%>
4' ' " :

1 9' O/98'GB*:I_

1 ' 9' 8@+#'GB*:I

1 5" ' ; 5 ' B'
"98+4*'?94+O;'O' O/98

1 - 9
8@+#'4@+#'GB*:I

1 9
8*;?A98?9'?94+O;'O'O-*8A'
GB*:I

:-"/2'''' ,*.7 ,6 -,7 7*3 6/21,57' : 0/,57J 6.0/0 7/0 7 08' ,*' !717*',*' 6.0 .2660/' 17/6-' 2' 246.' : 0/,57' 7*3' ,*' 6.0 07-60/*' 03,60//7*07*' /0+,2*' _ 7*=' -105,0-' 2' - .!33' '7/0 *3,7*' 7*3 -0?0/7' 60 : 10/760 , : 7 7=7* S

62/7G 7*3 0*M2,*' 7/0 682 ;7 -7 : -' 52 : 12-03 2 '7*' 7/2 : 76,5 /0-,*' ,*' 52 : ;,*76,2*' 8,6.' 7 ?2 76, 0 2,' 7*3 7*' 75,3 8 .,5.' 5/=-67 ,MO-',*62 *003 0-' *7 : 03 0*M2,5 75,3' .0-0 ;7 -7 : -' 2/ : 0/ =' 73 : ,*,-H 60/03',*60/*7 =' 7-' -6, : 4 7*6-' 7/0 *28' 2* =' 4-03 0G60/*7 =' 62/7G 28-' -12*67*024- =' 2/ /2 :',*5,-,2*-' ,*' 6.0 -60 :' 2 '6.0 $-"/?' 3::#2#8/!'5 7 6/00 2' 6.0 03,60//7*07*' /0+,2*' 7*3 0*M2,*',-' 30/,?03 /2 :' 66,0 $-"/?' '8J3#85 8 .,5.' +/28-',*' 6.0 2 4557-' 2 : 0 -105,0-' 2' - .!333 =,0 3 3=0-' 7*3 ' !&$38#/' #& 4-03 7-' 607',*' 0*6/7' : 0/,57' _ 0?0/7' -105,0-' 7/0 0 : 1 2=03 7-' 607' 7*3# 2/ 3=0,*+' =0 28' ,*' 6.0 , : 7 7=7- S

) ' + 5

D , '7'8'"/5 9&&#'9 1 ! -:,8 ' " 5 F - ! 4 #8)!

' 383.'$/!39&5 > >:#)5 %-.37-839&5 /8#&3&$' 3839&5 D'&$#(/$#38 # ,"#2/$'' - ' E4 #8&'"$')' 38 $%'' 23"3!!/' % ! '3:'$<3 N>H>3(9!')' 2'!!&' < 6 ' 23!!/$'"/!5 /&2'8)#875 /8/$"3.39&' 0 ' /' ,'""-' 3'' 2/.&9!'' .; ')#&/..'/"#87 <%'8 "#.'') ' #8:'"#3" 5 -' 33)-

:7 ' ' 2/' ! 4 2 60*' 68,*,*+' 2/ 5,:;,*+' ' 2112-,60 2/ 7 60/*760' (E B' 2,2 760' 0G-6,1* 760' 0 8 ' E' /0+4 7/' 2/ -4; /0+* 7/',*' 7 52/=:;'2/'17*,5 0J .')#2'!& 6/,5;262 : 24-' : 7*= 280/03' % .'E & ,3' 2/ 6226;03' 10/-,-60*6' ' ;=12+=*2*-' : 2*21067 24-' ;=125/760/, 2/ : ' % E < 2;03' 70-6,?76,2*' ,: ;/,5760' - ' T',*-0/603' 2*' 6;0' 52/2 7 64;0',*5 4303'2112-,60'62' 6.0' T' 2460/'1067 -' ,*' 6;0' % 2;03' 52/2 7-J ,*' 6.0' E 2;03' 52/2 7-' 8.0*' 2*0' 2' 6;0' 2460/'1067 -',-' 324; 03'2*0' 2'6;0' -67 : 0*-',-',*-0/603' ;06800*' 6.0-0' 682' 1067 -'7*3' 6.0' 26.0/' /0 : 7,*-' 2112-,60' 62' 6.0' -,*+ 0' 2460/'1067 J ,*' 6.0' < 2;03' 52/2 7-' 6.0' -7 : 0' 5.7*+0' 6790-' 1 750',*' 6.0' T' -67 : ,*, 0/24-' 1067 -E :#!/ '8$& ?0/=' -.2/6' 2/' /8$%'''& T 50 03',*6/2/-0';7-, ,G03' 30.,-50*50' 2*+,643,*7' % ' /00' T 50 03J &$-!'' 60/ : ,*7' ?0/=' -.2/6J &$#7 /' 571,6760' 2/' T 2;03J 3(9!'& T' ,*' 075.' 50 ' 76 ,/-6' 10*34 24-' *07/' 6.0' ;7-0' 2' 6.0' -0164 : ' ,*7 =' 7-50*3,*+' 7*76/2124-' & ' 3,3= : 24-' 2 60*' 2*0 -00303' ;=' 7//0-6' D /& #89 5 2/' 7' 52/3760' T 50 03' T 17/6G; 0' 571-4 0' G -2$/8$%'& ' ' 0/056'-4; 52 : 1/0--03J $'&$/' 52/,75024-' 7*3' '8)3.!'8"/' 6.,59J /!,# #'8' 76' ,/-6' 521,24-' 8.0*' /,10' /034503' 62' 7' 6.,*' : 0 : ;/7*0' " -! ' -6/7,+.6J 23$-!'')38&' 1 7*2 52*?0G' 0-.=J "/)#2!'' -.2/6',* 0/,2/

' '

0*232/7 !7-:,*4 :' =267*6.0- 2,?7/,7

O 0' .7?0',*3,5760 3' 6.0' 7 ,*,6,0-' 3!' /& #8'2'' 8,6.' !'#8'/' 7*3' 6'"%'8/2'2& D-00' 6.0-0' 7 :, ,0-F J 6.0=' 711/275.' .32-8'2'',*' 6.0,/' 5.:;,*+' 2/' 68,*,*+' -60 :' 4-47 =' 2112-,60' 0G-6,14 760' 07?0-' .=12+=424-' -67 :,*, 0/24-' 52/2 7' 57/10 -' 52.0/,*+',*62' 7' T 50 03' 2?7/=' D7-' ,*' /"#&&) 5 7*3' 3/=' 2/ 0-.=' /4,6J ;46 .32-8' 5 ;0-,30-' 6.0' -017/76,2*' 2'6.0' 2?7/,0-',*' :2-6 +0*0/7' 3, 0/',*' 6.0,/' :, 9=' 4,50' 6.0',-2-60' :2*=' 7*3 00-6,?76,2*' 2'6.0' 52/2 7' 7*3' 6.0' 10/-,-60*50' 2' 6.0' 7 ;4:0*' *' 6.0' 26.0/' .7*3' //$8#8'2'' 711/275.' ,'8/2'W&',*' 6.0,/' 8223=' -60 :',*' 6.0' ,:;/,5760' -0-6,?76,2*' 2' 6.0' 52/2 7' ;7-, ,G03' 7*6.0/-' 2?4 03' 2?7/,7*' 50 -' 0-.=' /4,6 7*3' 52 : 1/0--03' -003-J 3, 0/,*+',*' 6.0' 3,7*3/24-' 280/-' 0/056' 2?4 0-' 7*3 7;-0*50' 2' 7 ;4:0*

// ' ',*.7;,6 6.0' .26 /0+,2*-' _7*3' 522' : 24*67,*-' 2' -,7' 2:0' 7/0 /,57*' 4-6/7,7*' 7*3

E%%

$9??*B ;9
8*;?-48++,'?94+ 0;' 0 '0-*8A'
GB@: I

! ('> & " ('
080 *' B>

$9??*B ;9
8*;?-98?9'?94+ 0;'0 ' 8@ +'GB*: I

$9??*B ;9 '
-@ 9'GB*: I

$9??*B ;9 '
B>8A0'GB*: I

! * '

507*,5' 7*3' 7' 08' ,* ,76,6' 6.0' 03,60//7*07*' /0+,2*' .0' +0**-' + '83)3"/' 7 2*0' ,-' : 0/,57*' _7-' ,-'
!^ " '

/& #8 '&' 7/0' 1/,M03' 2/' 6.0' 0 0+7*50' 2 ' 6.0,/' 2 ,7+0' 7*3' 6.0,/' -8006 -50*603' 280/-J' 6.0,/'
10/ 4 : 0' 340'62' 7' 2 76, 0' 2, ',-' ,G03' .=' : 07*-' 2 ' 0* 2, ' + 3887/'.$'"-73A.'" /!' 3,--2 ?0-' 7*3

1/0-0/?0-',6 2/'6.0'1/017/76,2*'2'10/ 4:0-' .0'0--0*50'2'!0--7:,*0'-2' :45.'4-03',*'10/ 4:0/='-' 1/017/03' /2:'6.0' 280/-'2' /& 9 ' / ,/85'7*' *3,7*'-./4;'7*3'2' ' 7"/8)#:!3"9 :'2/' 17*,-.' !0--7:,*0' .0' ' 3::#2#8/!'5'54 6,?7603',*' +7/30*-',-' 7' *76,?0'2' -,7J ,6-' 280/-'80/0' 2/:0/='0:H 1 2=03',*' :03,5,*0'7-'7'*0/?,*0'710/,0*6'7*3'0:2 ,0*6' .0' -2$/8#%'&' "%3">$"#&$#&',-'7*' *3,7*'-./4;' 6.0' 280/-'2'8.,5.'210*' ,*' 6.0'0?0*,*+'7*3' 7 ' 76' 37=;/079J 8.0*50',6-' *7:0'2' 2:*7:;4,-6' _ .0'64;0'2'6.0'52/2 7' 7 2/3-'7';0746,4';46' 4+75,24-'=0 28'3=0' .0' 280/-'2' ' / ,/3' 7/0' -75/03'62' ,-.*4 S

/ , 3' 3 6 / 7 6 1

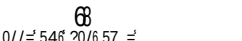
G$' ! ' 7'8'"/5' 9&&#'9 8 # ' ' $ 4P5&' + /"$#8& 1 J# #8% O #+ 4 +5' #8)!

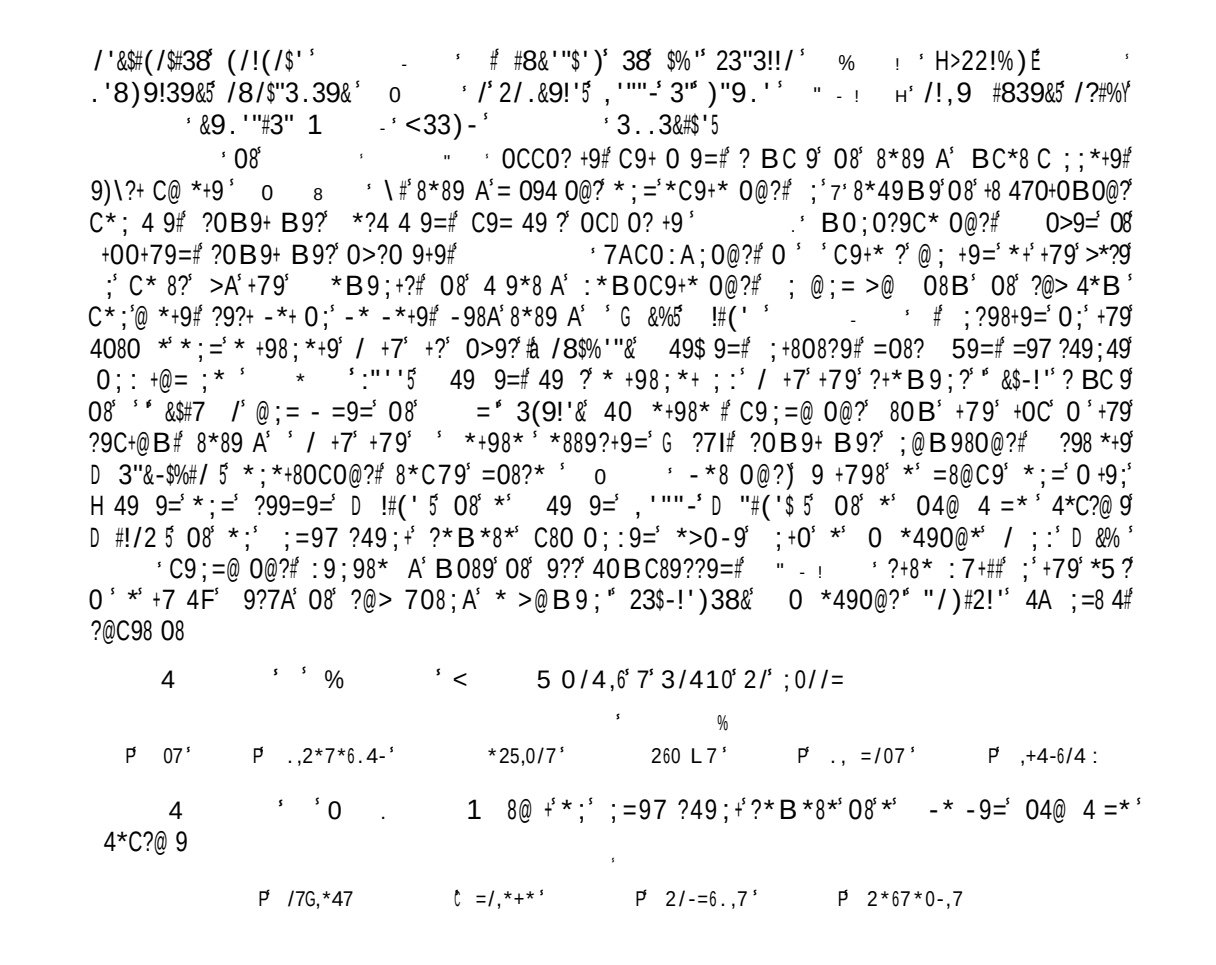
) " " ': 4'
3 ;!" #'

*' ' 0 4- +%0

C * C * % 2*+'/ * * -' % /" / ' 0 0 + % 2*+'/ * -
C *' C 0 + ?7

N 3





3 ' " % 6' 0

!'#8'/' 80/0' 2/ : 0/ =' 4*,603' 8 6 ,' /& #822'@ ,*' ; 26.' 6.0' -60 : ' ,-' 8223=' 6.0' 07?0-' 2112-,60' 6.0' 280/-' 3,7*3/24-' 7*3' /750 : 03' 2/' 17*,5 03'6.0'2?7/=' .7-'682' ' 2?4 03'50 -'6.0'2?4 0',-'7*76/2124-'7*3' 6.0' /4,6'571-4 7/' 2/' 0-.=' J .46' /& #8'&3, 0/',*' 6.0',:;/,5760' 52/2 7 2;0-'6.0';7-,,G03' 7*6.0/-'6.0' 7-50*3,*+' 2?4 0' 7*3' 6.0' 7 ;4 : 0*' ;0,*+' /034503' 62' 7' 6.,*' : 0 : ;/7*0' 8 .0*' /,10' '/0 76,2*' .7-'7 -2' ;00*' 2;-0/?03' ;0608 00*' !'#8' '7*3' .32-8 5' ;26.' .7?,*+' 7' 8223=' -60 : ' 2112-,60' 07?0-' .=12+=*24-' -67 : , ' *, 0/24-' 52/2 7' ?7 ?760' 70-6,?76,2*',*' -2 : 0' 52*62/ 603',*' 26.0/-'7' T 20 03' 2?7/=' D76' 07-6',*' /"#&&/ 5' 7*3' 7*' 7 ;4 : ,*24-' 0 : ;/=2' ,*7 =' 52 : 17/,*+' !'#8'/' 8,6.' 9,#/2''' 5' 80' ,*3' ,*' 52 : : 2*' 6.0' 2112-,60' 07?0-'-67 : ,*, 0/24-' 52/2 7' ?7 ?760' 70-6,?76,2*' 50 03' 2?7/=' 10*34 24-' 2?4 0-' 7 ;4 : ,*24-' 0 : ;/=2' 7*3' 0-.=' 2/' 3/=' /4,6' 9,#/2'2'' 1/,*5,17 =' 3, 0/',*' 6.0' 01,+=*24-' 7*3',-2-60 : 2*24-' 52/2 7' 7*3' 6.0' -6,14 760' 2/' 8 .2/ 03' 07?0-' .0' -7 : 0' 2;-0/?76,2*' 711 ,0-' 62' /."#:3!#/2'$&5' 8 .,5.' 4/6.0/' 3, ,0/',*' 6.0' ,:;/,5760' : -6,?76,2*' 2 '6.0,/' 52/2 7

!'#8'2 ' : 2-6 =',*.7;,6' 6.0'*2/6.0/*.0 : -1.0/0' .0' F#8'2 '1/210/' 1/0 0/' 6.0'*2/6.0/*'60 : 10/760' 7*3' 87/ :' /0+,2*-J -2 : 0' 7/0' .280?0/' 6/21,57 ' *23' 0?0*' 0G60*3' ;0=2*3' 6.0' 6/21,5' 2 ' 71/,52/*' YT !'/' 2554/-' ,*' 08' h07 7*3' 7*3' 246.' /,57' 3$'!2&/',-' 3-6/7 ,7*' 7*3' ;26.' %#3 8% ' 7*3' #83)'"/' 7/0' : 0/,57* S' "/?#8'W&' 7 '+/28'*2/6.'2 'T(m' 7*3' /,57' 12--0--0-'*2*0' _0G5016',*' 7/;7/=' 7*3' 6.0'!303,' 60//7*07*' /0+,2*S' 2-6' -.0-' 7/0' : 0/,57*J -2 : 0' 7/0' -57660/03' 2?0/' 4/210' 7*3' 60 : 10/760' -,7' , 75-' 7/0' *76,?0-' 2 '6.0' 7-6

.0' : 2-6' 4-0 4' -105,0-' 2 '6.,-' 7 : , =',-' 6.0' ,=0' G F/' '9"3.2 3' 5-$6#2%' .7-' -1/073' /2 :' 6.0' 7-6' 6./24+.246' 6.0' 03,60//7*07*' /0+,2*' .0' ,G03' 2,' 0G1/0--03' /2 :' 6.0' 10/,57/1' 2' ,6-' 3/410' .2 3-' 6.0' ,/-6' 1 750' 7 : 2*+' 7 , : 0*67/=' 2, -' .0' 4*/,10' 3/410' : 750/7603',*' ;/,*0' ,-' 0760*' 7-' 7/0' 6.2-0' 2' -2 : 0' 0G26,5' -105,0-' D ' / '"#2/8/5:"87"/8&5' "5F' .0' ;7/9' 7*3' 07?0-' 2 '6.0' $,?0 /,?06' D #79&$"9 '(9!7/"' ' 7*3' F#!!-"' /' 80/0' 2/ : 0/ =' 4-03' 7-' ;,660/ 7-6/,*+0*6' : 03,5,*0-' .0' ;7/9' 2 '6.0' 2,*:2*' -.' G "/ ?#89S' # (2'!&#D$"' ,-' ;,660/' 7*3' .7-' ;00*' 1/212-03' 7-' 7' -4 ;-6,6460' 2/' >4,*,*0' 7**7' ,-' 7' -4+7/=' 52*5/0603' 4,50F' +76.0/03',*' ,5, =' 2*' 681' -105,0-' 2' -.' D,3' "89&' 7*3' "3$#)#:3!#/ J ,6' 0G430-' -12*67*004-=' /2 :' 6.0' 14*564/0' 2 '7' ,+7 7' G #2/)/' # 5' ;46',6-' 28',-' ,*34503' ;=' /0+4 7/' ,*5,-,2*-' : 730' ,*' 6.0' ;7/9' 34/,*+' -4 : 0/' 7**7' ,-' 7 : 2-6' 0*6,/0 =' 52 : 12-03' 2' /88#$'5' 7' 1/2G, : 760' 1/,*5,1 0' 8 .,5.' /71,3 =' 3052 : 12-0-J 8 .0*50' 7**7' 8 .,5.' 8 .0*' /0-.',-' -,,*1 =' *46/,6,24-' ;052 : 0-' *74-024-' 7*3' ,-' 0,11 2=03' 7-' 7' 14/+76,?0' 7' >47 ,6=' 8 .,5.' 3,-71107/-' 8 .0*' 6.0' : 7**7' .7-' ;00*' ;2, 03' 2/' 7' 2*+' 6, : 0' _ ,?0' 8223',-' 0G6/0 : 0 =' .7/3' 7*3' 34/7; 0' %'' 280/-' 2' :"/7"/8/' 7/0' 4-03' 62' -50,,6' 607-',*' .,*7' , 75' ;7/9',-' 7' /0*28*03 ' 0;/, 4+0',*' 50/67,*' : 7 7/,24-' 3,-6/,56-' 2' /7*50' -.' 8223',-' 80 ' 9*28*' 7-' ,*?7 47; 0' 2/',6-' ,+.6*0--' 0G,;,,6=' 7*3' -6/0*+6. B * S

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7 /24-' + 74524-' 12830/=' ! ';' "/82%'&' : 7/903' 8,,,' 6/7*-?0/-0' -57/-' ' 2112-,60' 106/2 03' 0*6,/0' 52/,75024-' 2;-54/0 =' ?0,*03' */*,-,03' 8,6.' T' : ,*460' -6,14 0-' 0 8 ' ,*52*-1,5424-',*' -1,5760' 17*,54 760' /750 : 0-' .' -: 7 '% 6226.03' -0-6,?76,2*',:;/,5760' ' ;=12+=4247' : 2*21067 24-' : 0 : H ;/7*24-' 70-6,?76,2*',:;/,5760' - ' \5' ?0/=' -.2/6' ,*-0/603' 2*' 6.0' 52/2 7' 4*,6,*+' ,6-' 2;0-' 7*3' 7 60/*760' 8,6.'6.0 : 'J /8$%'"&' T 50 03',*6/2/-0' 0 1' .=12H +=*24-'% 2.03' ? ' /00' T 50 03' J &$#7 /' T 2;03' -4; -0--, 0J 3(9!'& +0 : ,*760 V' 7-50*3,*+' 7*76/212*-' '% ' 0/056' _10*34 24-' 13%'"/' 7*3' +38'$#/4' J $'&$/' 14 1=' 0G7 ;4 : ,*24-' " -! <% 8,6.' 0-.=' 1 7*2 52*?0G' 526= 032*-' 7*3',* 0/,2/' /73,5 0

' !

2*06,7' 7 ?732/7' 2;0/7

' '

<%& 3 " ' 6

7*5 , ;' ,7-' +/24103' 8,6.' /! #)3 ' 6.0' +0*0/7' + 38'$#/' 7*3' 13%'8#5' ;26.' 2 ' 8 .,5.' 7/0' : 2*2' 1067 24-' .=12+=*24-' 606/7*3/24-' 7*3' .7?0' 7' 50 03' 2?7/=' 7' ;0//=' 8,6.' 0G7 ;4 : ,*24-' -003-' 8223=' -60 :' 7*3' 2112-,60' 07?0-' 7*3' 8 . ,5.' -57/50 =' 3, 0/' /2 :' /!(/)3"/' 0G5016' ,*' 6.0' 3,205,24-' 280/-' 7*3' 10*34 24-' 2?4 0' .,-' 7 ,*,6=' ,-' 52* ,/ : 03' ;=' 6.0,/' +02+/71 . ,57' 3,-6/, ; 46,2*' 8 . ,5.' 0G60*3-' 2?0/' 6.0' 6/21,57' 7*3' -4 ; 6/21,57' /0+,2*-' 2 '6.0' 3' O 2/ 3' *' 756' + 38'$#/' ,-' 24*3' /2 :' 246.' /,57' 6./24+.' 6.0' *3,7*' 0*,*-4 7' 7*3' 0= 2*' 62' 7 7557J /!(/)3"/' /2 :' 6.0' 527-6' 2 ' 0*+40 7' 6./24+.' 2/6.

O / 98'4@+' - 98+ 4* A'
GB*: I

/,57' 62' 7 0-6,*0' 0/-,7' 7*3' *3,7J' 7*3' 13%'"/' /2 :' ;=--,*,7' 7*3' /7 ;,7' 62' 6.0' *3,7*' 0*,*-4 7' -' 62' 6.0' 7 ,*,6=' 7/3*0/' 7*3' O ,+ . 6' 1 750' /!(/) "/2'2" *07/' !'#8' ' 7*3' > / ##8'2 5' 7*3' 7*5.2*' ,-' 7 -2' 3,-12-03' 62' 7321'6 . ,-' 7//7*+0 : 0*6

.0' ;7/9' 3:' 6.0' /226' 2 '6.0' /!(/)3"/' . '"&#2/' 52*67,*-' 75/,3' 7*3' ?0-,57*6' 1/210/6,0-' 7*3' 6.76' 2 ' 6.0' -60 :' ,-' 7' 62*,5J ,6-' /03' ;0//,0-' 7/0003, ; 0' _7/2 : 76,5' 7*3' 67-6,*+' ,90' /0--S' 7-' 7/0' 6.2-0' 2 ' ' #8)#2/' _,*' *3,7' 6.0=' 7/0' *26' 0760*S' 6.0 07?0-' 2 ' 8 .,5. ' ,90' 6.2-0' 2 ' 0**7' 7/0' 14/+76,?0' 7*3' ?0/ : , 4+0' .,-' 1 7*6' _7552/3,*+' 62' 2= 0S' ,-' 6.0' 4-67/3 6/00' 2 '6.0' !08-' 7 4303' 62',*' 6.0' 08' 0-67 : 0*6' 17/7; 0-

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$ -' ./"&5' ' ')' 9&&#'9 8 5 :## 0&' ' "Q ;(' " ;

5P& #8)!

2 ' 383.'$/!39&5' #-.37-839&5' "'79!/"5' #&3&$' 3839&5' &$#(/$#38' 238$3"$')' 3' (/!(/$' ' - ' #8&'"$')' 38' $%' 23"3!!/E' ' 7"/89!'&5' ' E4')#&$#82$' 3' 23%'"#87' ' &#87!' ' 0 ' (/"#39&' " - ! ' /!%9@ #839&5' ('"-' "/"'!-' '?/!%9' #839& 1 !4, ' #!!2-' ' 9&9/!!-' 3..3&#$' 3' <%3"!')

98 /;F9' $9P*
C9;'0'49

98 /2;F9
GB*:I

98 /;F9' 98 /;F9' 95 /;F9' 9*;=98#
-*89?*;=4*A5 C9' 8@+'?9C*8*+9=';+0' 99=#-9;+8*'*49 99=#4@+'-4+4*A' `+*B9;'
GB*:I 0 4 9? GB*:I GB*:I' GB*:I

'08' ! 4' 0 +9;'4 B>;:'08'C989;;*' ! 4' :9;98* A/ +>'B FA'D@ 49'
' 0CC0?+9#08' /7088 9=# 8*89 A'* +98;*+9' G !9 #'"/5' %/J-/5' '.#8#/ 5'?BC 9#
9;+89# 95?+C@ *+9#08' / +>' 8@= B9;+*8A': *;= F9'08' 4 08B'?+C@ 9?' ;0/ '
89:@ *8# +98B ;*'08'*5 *8A# ;'*' 408AB>0 ='4AB9# 8*89 A' 90 +*8A' .' 899#
=' 08' C*8+ +9# 8*89 A' ='' 7AC0:A;0;?# B0;0C9+* 0@?# =94 =@0@?# ;'
@;=>@ 08B' 08' 7AC048*+98 08B# +780*+' ;*F9=' 08' @8; ?>9=' / +>' ?4* 9?# B>'
='08' C*8+ +9# ?9?+ -*+ 0;'40;+08+9='08' -* -*+9' = ';?98+9='0;+>9'408 0 *'
+@>9'08'+780*+# * +98;*+9' / +7' +?'?9:B9;+?'' *;+798?' ;+8087?9# 49 9=# 0-0 # @?@* A

3 " $M

4@B ;+9 08 B@480;*+9# 0 +9;? ?*: ++*+9# ?0B9+ B9? ? :7+ A 407989;+# =97 ?49;40 0;: +@= ;* . 3!!'8 :8*;@ *8# *CC 9= 894+ A +0 +79 ?+ :B* # ?0B9+ B9? = ?+ ;4+# ?0B9+ B9? 40798 ;: ;+0 * H 49 9= 0-*8A# ?0B9+ B9? M # *+ 8?+ @;=E - =9=# ?9C*8*+ ;: * +98 0/98 ;: ;+0 M 08 0;: ?+ C +*+9 0-*8 9?# @; +9= *+ +79 8 + C? >A +79 C98? ?+9;+ >*?9 0 +79 ?+A 9 G '.#8#/ " &$-!' ? ;: 9# @; + ;: +79 0-*8 9?# @?@* A +7 4F9;9=+0/*8=?+79 +0C# 0 +9;= *+9= ;+0 *= ?F>9 0/+79 ?+ :B * &&#- / :9;98 '6 A > = 3(9!'& @?@* A ;@B980@?# *;*+80C0@? 08 ?9B *;*+80C0@? ,,4, -78 0 @?@* A 40BC89??9=# 0 +9;40B0?9 " -! ?+8* :7+' 8%9 '8 4*8+ *: ;0@? 08 9?7A# ?0B9+ B9? ?4*;+A 08 " C0? + 0;* ;= 894+ 0; 0 +79 "/)#2!' -*8 0@?

!(! ?? 6 6 -*8A 249 9=" C *49;+*+ 0;0;+79 ?9C+@B 8@ + * >988A

7*52/*,7 7.07 0 23,*4- 7/,--* 24:7
,*;0 7*,7 7524/,7 2 21.2/7 7/123,*4-

('66 $ - K -*8A @; 04@ *8 *49;+*? # C*8 9+* *C -4 0 T ?7 ?03

6, \

7:7*37

4 , % . "! M 5 0/4,6 0-.= / 10- # H 2 60*7;2/603

H 1.,2G=2* P 0/;0/7 2./2-,7
4*60/,7 =-,7 ;0?06,7 7482 ,2

4 " " % ! 1 8@ + / +7 0 4 9?# ?0B9+ B9? 9?7A# C@ CA# :9;98* A =8A# 0 +9;89=@49= +0 N ;9 >A *>08+ 0;# 8*89 A @; +9= ;+0 * 4*C?@ 9

2 /

P 7;0/* :2*67*7
P ,*57
P 125=*4:
P 0/,4:
P O/,+.6,7

P 25.40/7
P 074:2*6,7
P 0- ,*,4,*
7 2*06,7
6/21.7*6,4-

P 7*30?, 07
P 5.,60 -
-1,32-10/:7
,1 730*,7
/502 7

9C ; *
P 4:,0/7
.7M=7
P :-2*,7

b 79 0 0/ ;: :9;98* = 0 ;0+ * ;+0 *;A 0 +79 *>0-9 =9 ;9= ?@> 08=98? -*8A H 49 9= C *49;+*? C*8 9+* B + * >988A 1 #!!97 #%'#/5 /8> 32,1]667 B :

2/6.0 7 ,*,6=2 .32-8'/8,6.' 37$$8#/2'$ -00 6.,- 7:,= .0= 7/0 2* = 3,-6,*+4,-.03 /2:' !'8/)' ;= 6.0 -67:0*-7*3 /2:' '8$#/8'2" ;= 6.0,/:,9= 4,50'4-47 = 8223= -60: '7*3 6.0 3,-6,*56

2?7/,0-' 2 ' : 7*=' +0*0/7' .0=' 7/0' 52**05603' C8,6 ,' +(%#/2'2'' 6./24+.' 37/8#/2'2'' .0=' 7/0' 7 ,03' 62' !'#8'2'' ;=' 6.0,/' 8223=' -60 : ' 2112-,60' 07?0-' 70-6,?76,2*' 7/,3' .=12+=*24-' 52/2 7' 7*3' ;=' 6.0,/' +0*0/7' 8,6.' 7' T 50 03' 2?7/=' -,*+ 0' -6= 0' 7*76/2124-' 2?4 0' 3/=' 2/' 0-.=' /4,6' 7*3' 7 ;4 : ,*24-' 0 : ;/=2VJ ;46'6.0' F ''' .7?0' 7*' 7*,-2-60 : 2*24 '52/2 7

.3278''' 1/,*5,17 =',*.7;,6'6.0' ,*60/6/21,57' M2*0' 2 '6.0' 3' 7*3' 08' VO2/3-' 0-105,7 =' -,7' ;0=2*3'6.0' 0>_*762/' .0=' 7/0' _52 : 17/76,?0 =S' /7/0' ,*' 0G6/7 6/21,57' .26' 7*3'60 : 1 /760' /0+,2*-' 2-6'2' 6.0' -105,0-' 12--0--' 7' : , 9=' 4,50' 2 60*'-45.',*' ,*3,7 /4;;0/' G 3 3.%3"/' 9$#$##' J 6.,-' 4,50' ,-' -2 : 06, : 0-' ;,660/' 7*3'0 : 1 2=03' 7-' 7' 14/+76,?0' 2/' 0;/,4+0' 2/' 3014/76,?0' G)$##/8)/' 2/$%/" 2/5' /$#& ' /A3.#'" 85' !988'"/' /!,) ' -2 : 06, : 0-' 75/,3' 7*3'?0/=' 12,-2*24-' D /87%# #/'('8'8#@!9/5' '",'"/' %3$9) J - 06, : 0-' :,3' -57/50 =' ;,660/' 7*3' -, : 1 =' 7G76,?0' G '",'"/' &/%$$/"#& E ,*7 =' -2 : 06, : 0-' 75,3 -8006' 2/' : 64247' 7*3' : 45.' -24+.6'7-' 223' D /"#&&/' /"/8) 5' 5' ')9+&5' /".3)#89&')9!2# :' ,'!/8#/' /339"$/5' DA9 /5' /,' $/8/' 9$#!#&5' "5F' _ 6.0/' ,*3,7 /4;;0/' =,0 3,*+' +0*0/7' 7/0' # $$7%,'#/',*' *3,7' 6/%'/',*' 737+7-57/' /833"8#/ ' /7M,' "2'3!/'#8'6.0' 7 7=' 0*,*-4 7' 7*3' /8)3!.%#/',*' VO0-6' /,57' /85>0 7%#8#/5 6.0' /307 6/00' 2 ' 737+7-57/',-' 6.0' : 2-6'.3#&3839&' 2 ' 1 7*6-' ' -003' *2' 7/+0/' 6.7*' 7*' 7 : 2*3' -4 ,50-' 62' 9, ' 680*6=' 1021 0' 07*30/' 8223' 280/-' 7*3' 07?0-' 7/0' ?0/=' 12,-2*24-J 3076.' 7-' 2 2803' 4-,*+',6-' 82;3j V7CV : 0 6d-9080/-J' 7*' ,* 4-,2*Z2' ,6-' 07?0-' ,-' 7*Z 56,? * 056,5,3 ' ,6-' ; ,/9'7' /76' 2,-k1J 6.76' 2 ' "#7%$#/' /8$#)7& $'"#2/' ,-' 7' ?7 47; 0' *3,7*' 7-6/,*+0*6' 7*3' 0;/,4+0' ' $#$#2$ 8/' %/$'&'=,0 3' 7*' ,*3,+2'7*3' *' $3 '8$3&/ /'=0 28' 3=0' 3,;0' /4,6-' 7/0' 1/234503' ;=' #!%#7*,'#/' ')$)#&' 7*3' "2'3!/' '!/&$#2/' .0' 8223' 2' %$38#/' -5.2 ,-',-'7' ;,660/Z1280/ 4'62*,5' : 45.'4-03',*' *3,7 B :

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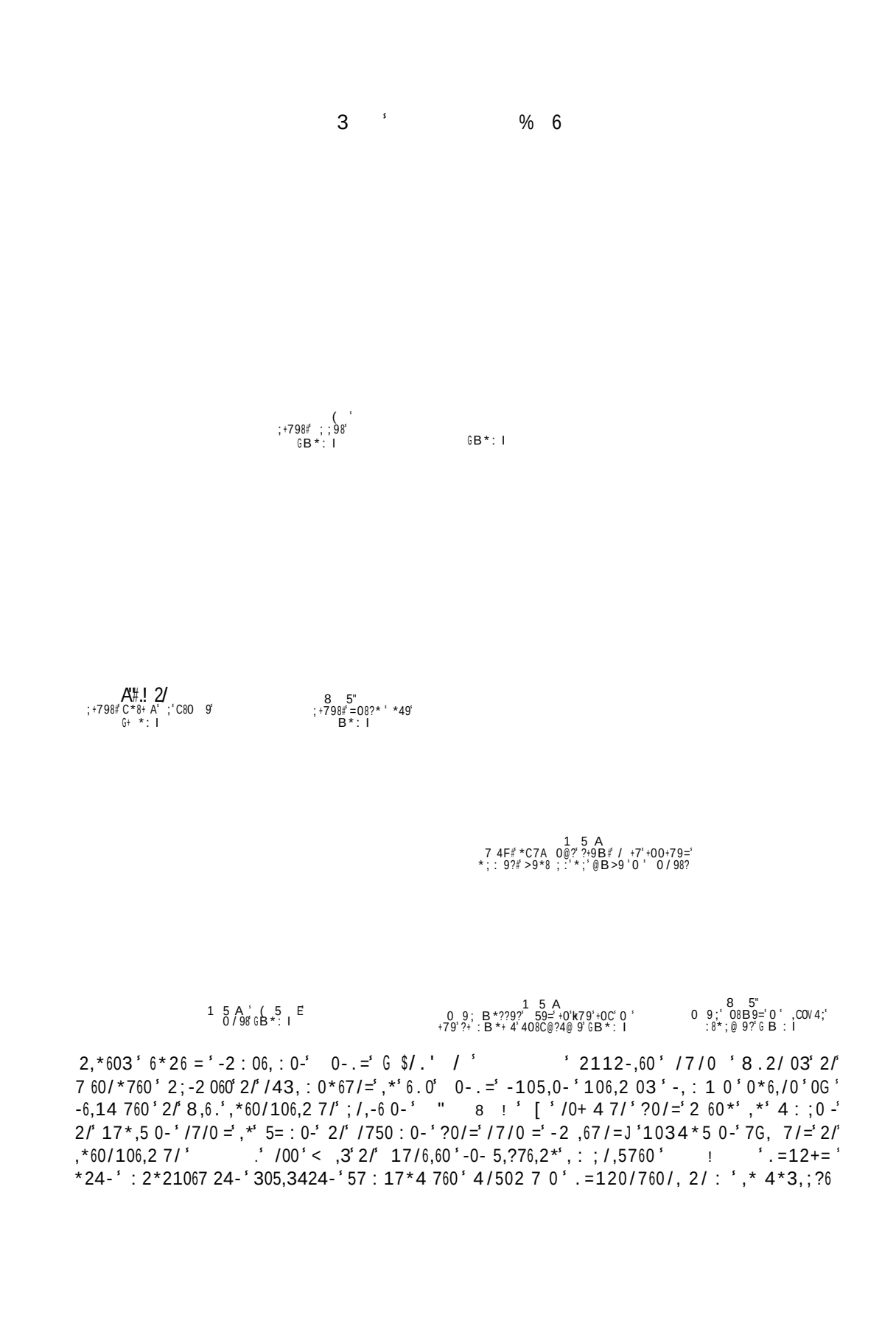
$ -'./"&5 > ')'' 9&&#'9 1$ 4' /2M9#8>5
' 5 $! K4' #8)!

(' %-.37-839&5 "'79!/"5 >:#)5' #&3&$' 3839&5 2'&$#(/$#38' 9,+/$!-' 238$3"$')' = ' #8&'"$')' 38' $%" 23"3!!/5' 9&9/!!-' 23%'"#87'#8' /' $9,'" ' #8$"3"&'5' ' 2'!!')" L' /77!9$#8/$')' #8' /& /8-' /&&'& /&' $%'"" /"'' 2'!!&' ' ?'" ')#&$#82$" " ' 9?$/.3&')5' 98#$')' %-' /' 23 38' &$#7 /E - '.'8)9!39&5' /8/$"3K .39&' 0 4=((&:3!!#29!/"' " ' /!,9 #839& 1 M ' 3..3&#$' ' T - #' #!F- &00=A# 8*89 A' 798>*490@?' 4' @?@* A' 4 B> ;:' *;=' B FA" &$' ' *;=',"/82%'&

% *:8* ;#?70/ ;:'+79'+9 *+ 0;' '+79' *CC9;=*:97'+0'+79' *;'+798?# *';=' +7*+' 0+'+79' *;'+79 ?'+0'+79' ?+ : B*+ 4' C08,' C;?4@ 9? ' 5 # ' ! " #' % " ' 5 0+ 4 2 3 4 2 # ' ! " #'



0 8 B ' 0 8 ' + 9 8 9 + 9 # ' + @ > 9 ' * ; = ' + 7 8 0 * + ' @ 8 ; ? 7 9 = ' / + 7 ; ' / + 7 ' ? 4 * 9 ? '' !# , ’ 4 0 ; + 0 8 + 9 = ' B > 8 4 * + 9 ' 0 8 ' 8 * 8 9 A ' - * - * + 9 ' ; ' ? 9 ? + - * + 0 ; ' = ' # ’ ; ? 9 8 + 9 = ' * + ' + 7 9 ' > 0 + + 0 B ' 0 ' + 7 9 ' 4 0 8 0 * # ' * ; = ' * + 9 8 ; * + 9 ' / + 7 ' + ? ' ? 9 : B 9 ; + ? '' :#!/ '8$& * + + 9 ; 9 = # ' @ ? @ * A ' @ ; + 9 = ' ; ' * ' + @ > @ * 8 ' 4 0 @ B ; ' ? @ 8 8 0 @ ; = ; : ' + 7 9 ' 0 - * 8 A # ' * ; = ' @ 8 ; ? 7 9 = ' > 9 7 ; = ' + 7 9 ' * ; + 7 9 8 ' / + 7 ' * ' 4 8 0 / ; ' / + 7 ' - * 8 0 @ ? ' * C C 9 ; = * : 9 ? ' '' /8$%'"& ; + 8 0 8 ? 9 ' 0 8 ' * + 9 8 * # ' 4 9 9 = # ' : 9 ; 9 8 * A ' 4 0 7 9 8 ; : ' ; ' * ' + @ > 9 '' 4 9 ? ' > * 4 F ' + 0 ' > * 4 F # ' C * 8 * 9 # ' ? 0 B 9 + B 9 ? ' = - = 9 = ' > D .: * ' ? 9 C + @ B # ' 0 C 9 ; ; : ' > A ' * ' 0 ; : + @ = ; * ' 0 8 ' * C 4 * ' ? + # ' 8 * 8 9 A ' + 8 * ; ? - 9 8 ? 9 ' G 383!3,9& E .3!!'8’ * : : @ + ; * + 9 = ' ; + 0 ' * ' B * ? ? '' .3!!'8> /&&'&’ B.3!!#8#/ ’ C 9 ; = @ 0 @ ? ' G &2!'.#/&’ 0 8 ' 7 0 8 < 0 ; + * ' D 383!3,9&’ 0 8 ' 9 8 9 4 + ' D !/.'!#/ 5’ 9 + 7 9 8 ' 0 ; 9 ' 0 8 ' 9 * 4 7 ' 4 9 # ' 0 8 ' @ ; + 9 = ' ; ' C * 8 ? ' > 9 0 ; : ; : ' + 0 ' + / 0 ' 4 0 ; E + : @ 0 @ ? ' 4 9 ? # ' @ ? 0 8 B # ' 9 ; - 9 0 C 9 = ' ; ' * ; ' 0 A ' B * + + 9 8 # ' * ; = ' * = 7 9 8 ; : ' + 0 ' + 7 9 ' : * ; = @ * 8 ' C 8 0 B ; 9 ; 4 9 ? ' 0 ' + 7 9 ' ? + : B * ' # ' # ' = ? + ; 4 + # ' C * 4 9 ; + * ? ' ; 9 8 - 0 8 B # ' 0 ; ' - 9 ; + 8 * ' ? @ + @ 8 9 ? '& &$-!'&’ @ ? @ * A ' - 9 8 A ' ? 7 0 8 + # ' 4 0 ? 9 A ' * C C 8 9 ? ? 9 = # ' * ; = ' @ ; + 9 = ' > A ' + 7 9 ' 4 0 B B 0 ; ' ? + : B * 'D &$#7 /’ / + 7 ' ’ 8 0 @ ; = 9 = ' * ; : 9 ? # ' + 7 9 8 ' > * ? 9 ? ' * + 9 8 ; * + 9 ' / + 7 ' + 7 9 ' * ; + 7 9 8 ? # ' * ; = ' C 8 0 - = 9 = ' / + 7 ' 4 * 8 + * : ; 0 @ ? ' 4 0 8 C @ ? 9 @ 9 ? ' 8 ' / + 7 ' * ' : * ; = ' / 7 4 7 ' 8 9 + * ; ? ' + 7 9 ' C 0 ; * ' ’ 3(9!'&’ ; @ B 9 8 0 @ ? # ' * ; * + 8 0 C 0 @ ? # ' C 9 ; = @ 0 @ ? # ' B @ + ? 9 8 * + 9 ' : ' # ' ? 0 B 9 + B 9 ? ' ' > A ' * 8 8 9 ? + # ' 0 ; ' * ' C * 4 9 ; + * ' / 7 4 7 ' = 9 + * 4 7 9 ? ' + ? 9 ' / 7 9 ; ' 8 C 9 ' = ' ; @ B 9 8 0 @ ? # ' 4 0 B C 8 9 ? ? 9 = # ' B > 8 4 * + 9 # ' 0 + 9 ; ' 4 0 B 0 ? 9 ' " ' ? + 8 * : 7 + # ' ; ' + 7 9 ' * 5 ? ' 0 ' * ' 9 ? 7 A ' * > @ B 9 ; # ' 8 * 8 9 A ' 9 5 * > @ B ; ' 0 @ ? '' "/)#2!'’ ? @ C 9 8 0 8

b 7 9 ' 0 0 / ; : ' * 8 8 * ; : 9 B 9 ; + ' ? ' + 7 * + ' 0 ' % 9 4 * ? ; 9 # ' ; ' % 9 ' * ; = 0 9 . ? ' k ' 8 0 ' = 8 0 B @ ? j

4; 2/30/’ ’ 1 , , , B , 7 : 0*6-’ : 2/0’ 2/’ 0--’ 3,-6,*56J 7*6 . 0/-’ 8,6 . ’ T$ $’ 12 ,*,7’ /00’ /711 ,03’ 62’ 6 . 0’ 621’ 2 ’ 6 . 0’ -6,+ : 7 ’ 12 0*’ 2 ’ (’ +/7,*-’ D -,76,5’ 7*3’ /,57*F’ _ '"#_’ .!32/5’ ' #)'& 9&5 $"' .$3'/9!38

4; 2/30/’ ’ = 4 % 16 *B9;+?’ 407989;+E *;+798?’ 49 9=’ C0 ; *’ # *CC 9=’ ;’ 0@8?’ +0’ +79’ +0C’ 0 ’ +79’ 408C;?4@ 9?’ 0 ’ +79’ ?+ : B*’ G ? *+ 4’ *;=’ 8 4*;I’ ''/ 3 5’ '#&3’ 2/@". &

4; 2/30/’ ’ @? !%)1 *B9;+?’ 407989;+6’ *;+798?’ 49 9=’D C0D ; *’ $’ 59=’ ;’ C* 8?’ +0’ +79’ C80B ;9;49?’ 0 ’ +79’ ?+ : B*# ?9C*8*+9=’ >A’ *’ 0;: +@= ;*’ *880/

’ ’ 4 % 1 780*+’ 0 ’ +79’ 4080 *’ / +70@+’ ?4* 9?’ +*B ;*’ 4080;*’ ’ G 8 4*;’ *;=’ B98 4*;I’ &$'.%/89&5 TU4

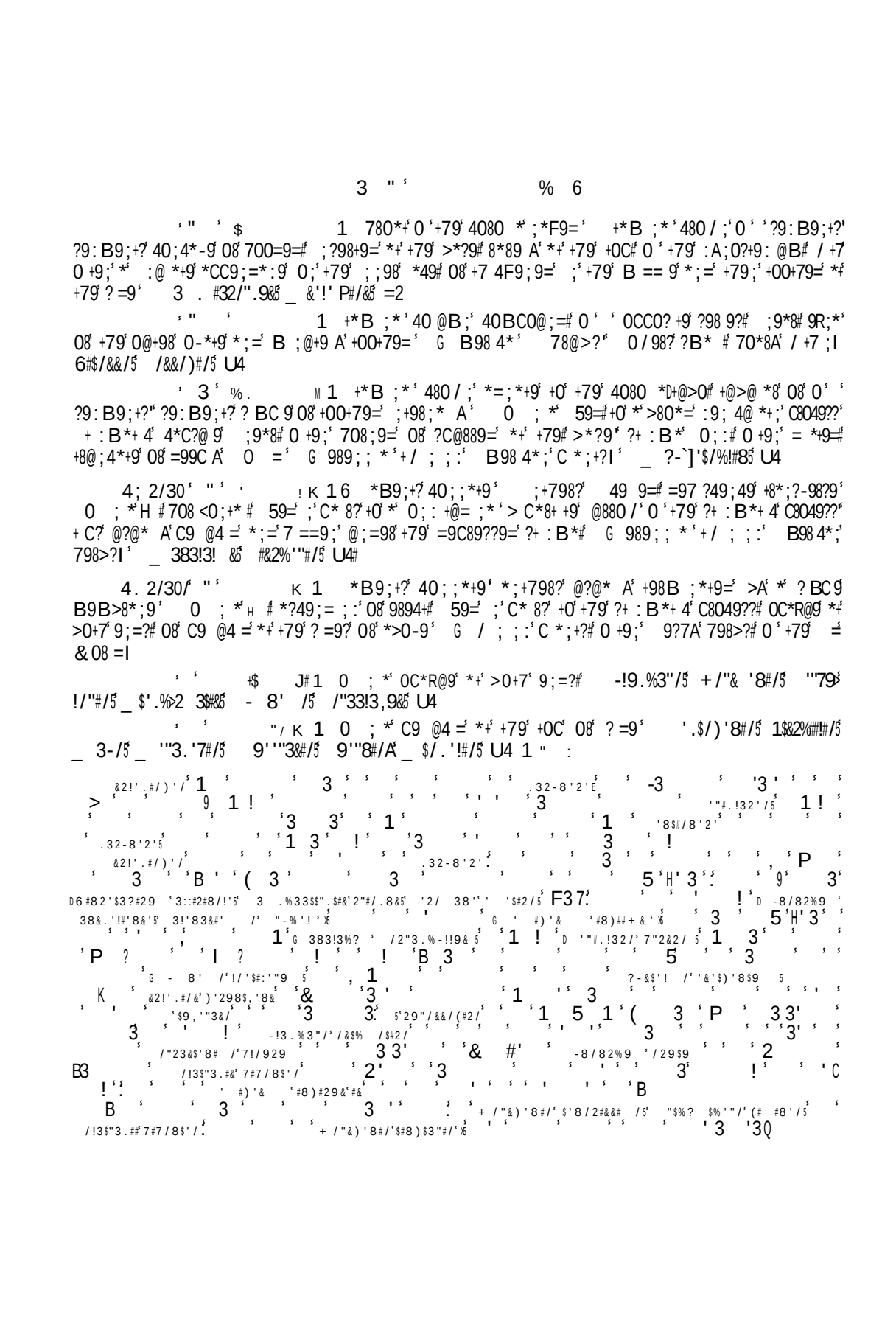
’ ’ ; (0% B ./276’ 2 ’ 6 . 0’ 52/2 7’ 4/*,-.03’ 8,6 . ’ 0-.=’ -57 0-’ 67 : ,*7 ’ 5/28*’ $’ D /,57*’ 7*3’ /7;,7*F’ +#'"3!3 /5’ =3

’ ’ < +% B 67 : ,*7 ’ 5/28*’ -, : 1 0’ 2 ’ N’ -0+ : 0*6-J -0+ : 0*6-’ ,*-0/603’ 76’ 6 . 0’ ;7-0’ 2 ’ 6 . 0’ +=*2-60+,4 : ’ -, : 1 0’ 0*6,/0’ 2/’ T ,3’ +'$/&$'! /5’ 39 8#/5’ 2'"/$'&5’ #82'’ $3?#29 5’ 4/.!3&$' /5’ =2

’ ’ ,- B ./276’ 2 ’ 6 . 0’ 52/2 7’ *7903’ 67 : ,*7 ’ 5/28*’ -, : 1 0’ 541 ’ -.7103’ 2/’ 64 ; 4 7/’ : 246 . ’ -4; 0*6,/0’ 2/’ 2;03’ "$%3&#/5’ _ # 832$3 # 5’ 3!3&$' /5’ _ "/9 /5’ GQ

’ ’ = +% B ./276’ 2 ’ 6 . 0’ 52/2 7’ *7903’ 67 : ,*7 ’ 5C"8*’ 4-47 =’ 324; 0’ J 2460/’ -.2/6’ ,**760 2;03J ,**0/’ 2 ’ E’ -0+ : 0*6-’ 8 . ,5 . ’ 7/0’ 0-.=’ 2/’ ,+4 760’ 2/’ : 2/0’ 2/’ 0--’ /24*303’ 7*3’ 64 : ,3’ /%$"3.#&5 '8$/$"3.#&5 2("23&$' /5’ 1 #/5’ =2

’ ’ - ! % B ./276’ 2 ’ 6 . 0’ 52/2 7’ *7903’ 67 : ,*7 ’ 5/28*’ 57 : 17*4 760’ 324; 0’ 2/’ 6/,1 0J -0+ : 0*6-’ : 2/0’ 2/’ 0--’ 52**760’ ;0 28 ’ 2112-,60’ 2/’ 7 60/*760’ 1/234503’ ,*62’ 7 ,*07/’ 7110*37+0’ -4//24*3,*+’ 6 . 0’ -0-- 0’ 2/’ -6,1,6760’ +=*2-60+,4 : ’ 9&$'7#/5’ -8/82%9 5’ =3



3 " ' 6 N

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3 >
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' 383. '$/!39&5' %-.37-838&5' "'79!/"5' 7'8'"/!!-' #&43&$' 3839&5' & (/$#38'
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3"'4 /8->3(9!')' 2'!!&"' /8/$"3.39&' 3"' &' #>/8/$"3.39&' " -! ' /!,9 #839&'
5 ' 3..3&#$'
-' /00=A# 8*89 A' 798>*490@?' ' 0CC0? +9# ?+ C@ *+9# 08' 95?+ C@ *+9'
/79;'+79'= *+9='*;='40;;*+9'>*?9?'0'+79'.'$#3!'&'9B>8*49'+79'?+9B#/ +7'*'?70++'?0B9E
+ B9?'0>?0 9+9'>08=98"&$#.9!'&'*=;*+9'0;'>0+7' ? =9?'+0'+79'C9+ 0 9?# 08' 899'*;=' ;+98'
C9+ 0 *8# 08' 40798 ;:' ;' *' ?79*+7# 08' *5 ! *8A# =08?* A' *=;*+9' +0' +79' >*?9' 0' +79'
C9+ 0 9' 0 8 ' :# 89:@ *8# -98A'8*89 A'*; ?0?+9B0;0@?# *5 *8A'*;=' ?0 +*8A# 08'
8*49B0?9' 08' 408AB>0?9" ?0B9+ B9?' ;'*'+98B ;*'408AB>'08' C*; 4 9' .'B0; '
?9C* 0@?' / +7' -* -*+9' ?9?+ -*+ 0;# 08' 0 ' ' 899' B>8 4*+9' ?9C* ?' ' 7AC0

3 >
99=# 9;+86
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GB*: I

X >
99=4@+-98+ 4* A
GB*: I

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3 >
1 & @+8*;?A9D?9$D

4 >
8*;?-98?9 ?94+ 0;0
*;+798# ?70 / ;:+79 -0 @E
B ;0@?40;;94+ -9
GB*: I

4 >
;+798# =08?* *49
GB*: I

4 >
8*;?-98?9 ?94+ 0;0 -*8A
GB*: I

F
+*B9;/ +7-0 @B E
;0@?40;;94+ -9
GB*: I

F
*49;+*4@+-8*;?-98?9 A#
79*8 ;: 0-@ 9? GB*: I

F 5
0 / 98 GB*: I

:A;0@?# B0;0C9+* 0 ?# 80+*+9# 4*BC*;@ *+9 08 ; @;= >@ 08B# B> H NGH# ?9?+ -*+ 0;-* -*+9 40;+08+9=0 8 40;-0 @+9 - ;?98+9=0;+ 9 4080 * +@>9 08 +>80*+# * +98;*+9 ;+>9 =40 80 *# 0CC0? +9 ;+79 H =40 80 *:#!/ '8$& 08B 08 ?@>@ *+9 /8$%'"& ;+8O8?9# 49 9=# =97 ?49;49 0;: +@= ;* # (?@C98 08# 49 9= ? Pc9 08B# ? BC 9 &$#7 / 4*C +*+9 08 C9 +*+9 08 > 0>9=" 3(9!'& ;@B980@?# ?9B *;*+8>C0@?# *++*4>9=+0 +79 ?9C+@B# 08 *?49;= ; : 80B +79 >*?9 0 +79 49 # 8*89 A ?0 +*8A# *;= C9 +*+9 >A +79 8 -9;+8* *49# -98A 8*89 A 9894# *+ +79 >*?9 0 +79 49 ? *;= *;*+80C0@?D :2'"$8'"/ : 4*C?@ *8# ?9C+ 4 =* A 08 ?9C+ 8*:* A -* -9=# 08 0 2322# / +7 +8*;?-98?9 =97 ?49;49 ?0B9+ B9?* >988A 08 =8@C9 ;@B980@?08 ?0 +*8A# ?0B9+ B9?/ ;:9= ?+8* :7+# ; +79 *5 ? 08 >*?9 0 *9?>A 08 4*8+ *: ;0@?* >@B9;"/)#2!' ; 98 08 08 -*:@9

b >9 0 0/ ;: ? 8 9;+7*B.? 4 *?? 4*+ 0; 0 +79 37/8#/2'2'' G$0@8; ; ; 04 0;= # I) 1

3 " ' J 0 0

! ' ' $ 1 K 5 -@ 9? @@B980@? ;' +79 0-*8 *;' 49 ?' 99=? / ; :9=' 8$38#/5 !#&$''"#/5 U4

! ' ' " / 1 -@ 9? ;@B980@? ;' +79 0-*8 *;' 49 ?' B +' 4*C?@ *8' 99=? ;*F9=' 08 7*8= A' / ; :9=' .#0'!#/5 +#$"''3!/5 +#&$"/&/3 '5 37/8#/5 9?#/5 9))!'#/

! ' ' " / K 1 -@ 9? ;@B980@? ;' +79 0-*8 *;' 49 ?' B +' *'>988A' 1'&:38$/#8'/5 /7'2'/5 $"-2%83&5 U4

! ' " ' L 7@ 1 ?4 0-' -2 ,67/=' /7/0 =' +0 : ,*760 ,*' 6 .0 2?7/,7*' 50 -' /")8''"#/5 "$8''"/5 U4]

37/8#/2'2 ' 7/0 ?0/=' 5 2-0 =' 7 ,03 62 +9,#/2'2" D-00 6 .,-' 7 : , =F' .0=' 711/275.' '8##/8'W ' ,*' 6 .0 2112-,60 7*3 0*6,/0 07?0-' 6 .0 ,*-0/6,2*' 70-6,?76,2*' 7*3 ,-2-60 : 2*=' 2 ' 6 .0 52/2 7 ' 6 .0 571-4 7/ /4,6 7*3 6 .0 1/0-0*50 2 ' 7 ; 4 : 0*J ;46 '8$#/8'2" 3, 0/ ,*' 6 .0 ' 2/ ,*52 : 1 060 =' T 50 03 2?7/=' 7*76/2124-' 2?4 0-' 7*3 0G-6,14 760 07?0-' .0 7 *,6,0-' 7*3 3, 0/0*50-' 7/0 6 .0 -7 :0 ,*' .32-8'2'5 8 .2-0 /4,6 ,90 6 .76 2 ' 37/8#/2' 5 ,-' 7 571-4 0 ' ;0//=' 2/ 3/410J ;46 6 .0=' 7/0 3,-6,*+4,-.03 ;=' 6 .0,/' : , 9=' 4,50 6 .0 7 87=-' ,-2-60 : 2*2*-' 52/2 7 ' 7*3 *4 : 0/24-' +0*0/7 8 ,6 .' /00 57/10 -' .0 ,66 0 +/241' 2 ' 1 '&:38$/# 8'' 7 -2 711/275.0-' [37/8#/3'" 5 2 ' 8 .,5.',6 .7-' *07/ =' 7 ' 6 .0 5 .7/7560/-' ' ;46 ,6-' 70-6,?76,2*' ,-' 52*62/603 ' 6 .0 1 750*676,2*' ,-' 17/,067 ' 7*3 6 .0 07?0-' 7/0 7 87=-' 0G-6,14 760 ' 37/8#/2'2'' 7/0 -57660/03 2?0/' 6 .0 6/21,57 ' 00+,2*-' 2 ' -,7 ' /,57 7*3 : 0/,57 ' 7*3 0G6/7 6/21,57 ' *-6/7 ,7

2-6 37/8#/2'2 ' .7?0 7 ?0/=' ; ,660/' 4,50 ' .0 -105,0-' 2 ' $"-2%83&' 52*67,*' ,*' 6 .0 ; 7/9 2 ' 6 .0,/' /226 7*3 ,*' 6 .0,/' -003-' 682 7 97 2,3-' G&$"-2%8#8'' 7*3 %"<2#8' 5 52 : ; ,*03 8 ,6 .' 7 1054 ,7/' 75,3 G#7/&9"#2 /2#) 5 1/,*5,1 0-' 8 .,5 .' 7/0 0G6/0 : 0 =' 0*0/+06,5J 6 .0,/' 756,2*' 2*' 6 .0 *0/?24-' -=-60 : ' ,-' : 2-6 1280/ 4 ' 8 .06 .0/' 7-' ,*?7 47 ; 0 : 03,5,*0-' 2/ '7-' : 2/67 ' 12,-2*-' ' 3052562*' 2 ' 6 .0 /226 2 ' &5 #'9$ ' ,-' 6 .0 $ '$$'#25 8 ,6 .' 8 .,5 .' 6 .0 !7?7*0-0 12,-2*' 6 .0,/' 7//28-J 7*3 8 .,5 . ' 8 .0*' 6790*' ,*60/*7 =' 7 -2 756-' 7-' 7' 12,-2* ' ;46 07 ' /71,3 =' 6 .7*' 8 .0*' 7 ; -2/ ; 03 6 ./24+ .' 6 .0 ?0,*-' .0 *76,?0-' 2 ' 246 .' : 0/,57 7 -2 4-0 682 -105,0-' 2 ' $"-2%83&' 62 12,-2*' 6 .0,/' 7//28-J 6 .,-' 12,-2*' 57 03 29"/"'5 ,-' 1/017/03 ;=' : ,! ,*+' 6 .0 4,50 2 ' 6 .0 ; 7/9 8 ,6 .' 10110/' 6 .0 *3,7*' ;0//=' 7*3 26 .0/' 75/,3 1 7*6-' 7*3 ,-' 1/0-0/?03 ,*' ,66 0 ?7-0-' 2 ' ; 7903 07/6 . 6 ,-' -4112-03 6 .76 6 .0 29"/"'' 756-' 7-' 7 12,-2*' 2* =' 6 ./24+ .' 6 .0 ;,123 ' 7*3 6 .76 ,6 : 9=' ;0 -87 2803 8 ,6 .# 246 ,*52*?0*,0*50J ,6 ,-' 50/67,*' 6 .76 5 .0 : ,-6-' .7?0 24*3*2 7 97 2,3 ,*' ,6 ' .0 -003-' 2 ' > 9?' (3 #3/' 756 7-' 7 1280/ 4 ' 0G5,67*6 2 ' 6 .0 -1,*7 ' 52/3 7*3 *0/?0-' 7*3 -6, : 4 760 $% '' 4*56,2*-' 2 ' 6 .0 2/+7*-' 2 ' ?2 4*H 67/=' 3$#38 #8 57-0-' 2 17/7 =-,-' 8 .,5 .' 32 *26 1/25003 /2 :', * 4/=' 62 6 .0 ; , * ' 2/ 8 .,5 .' 6 .0 -003 ,6-0 ' 2/ 7*' 0G6/756 ' 2/ ,6-' 7 97 2,3 ' &$"-2%8#8'5 7/0 0 : 1 2=03 ' .#7'!#/ /8$%'! #8$#2/5 7*' : 0/,57*' 1 7*6 ' ?0/=' 12,-2*24-#,*' ,6-' /0-.' -6760 ' ,-' ,**25424-' 8 .0*' 3/=7*3 ,-' 7 -4550-- 4 ' ?0/ : , 4+0 ' ' /"-!/8)#2/' ,-' 7 0--' 756,?0 ;46 7 -2 4-0 4 ' ?0/ : , 4+0 ' B $"-2%83&' -&'9)3>M9#8/' ,-' 7 /014603 /7M, ,7*' 0 ; /, 4+0 ' 7*3 =,0 3-' 217 5.0 ; 7/9 ' &5 78/$#/'=,0 3-' 6.0 +*76,4-' 07*' 2 ' *3,7 ' 4-03 7-' 7 /0 : 03=' 2/' 5.2 0/7 ' 5 .3$/$3"9 ' =,0 3-' 6.0 50 0 ; /7603 07/,*+' 46 2 ' *3,7 ' 8 .,5 .' 5 7/, ,0-' 24 ' 8760/' 8 .0*' 6 .,-' ,-' 146 ,*' 7 ?0--0 ' 2 ' 8 .,5 .' 6 .0 ,*-,30 .7-' ;00*' /4 ; ;03 8 , .',6 S

8*89 A * +98;*+9 08 8O?@ *+9#;9*8 A * /*A? ? BC 9 *;= 9;+ 89# 95?+ C@ *+9 O 8 # :9;98* A 89:@ *8# +98B ;* 08 *5 *8A# ; 089?49;49 -*8 0@? .C98? ?+9;+# 0 ?9C* ?# 8*89 A N # = ?+ ;4+ 08 BO89 08 9?? 40798 ;:# ?9?+ -*+ 0;- * -*+9 08 40;+08+9= O B0;0C9+* 0@?# 7AC0:A;0;?# ; @;= >@ 08B 0A 7AC048*+98 08B 08 ?@> 8O+*+9 $%"3/#;*F9= 08 @8; ?79= /+7 *=9 4*+9 8;:9= 8;:D ,;*F9= 08 4 *+9# 08 ?+@==9= /+7 :*;=@ *8 C +?# ?9?+ -*+ 0;- * -*+9 08 ;=@C 4*+9 ;?98+9= 0;+79 4080 * +@>9 08 +780*+# * +98;*+9 /+7 +?0>9?":#!/ '8$& 9R@* 08 ;9*8 A ?0# >*?9? 8*89 A = *+9= *;= !;+9= ;+0 *8;:/8$%'"& 49 9=# ;+8O8?9# =97 ?49;49 @?@* A 0;:+@= ;* #?0B9+ B9? *C 4* # 40;;*+9 ;+0 *H 08 BO89 08 9?? 40BC 9+9 A 49 9= 0-*8A" &$-!" +98B ;* #?0B9+ B9? -N8A ?7O8+ 08 /*;+ ;:" &$#7 /> = 08 > *B9 *+9" 3(9!'& ;@B98O@?# B*;A ?98 *+9# *;*+8OC0@? -* -9=# @?@* A C *49;+ 98O@? *+ +79 9=:9? 0 +79 -* -9? B ;@+9 -! B ;@+9# ;+79 >*?9 0 *9?7A 40C 0@? * >@B9;" "/)#2!" ;9*8 +79 7 @B# ;9*8 A * /*A? 49;+8 @:*

b 79 0 0 /;: ? 8?9>*47.? *88*;:9B9;+ 0 '8$#/8'3")1

! @ ! 1 0+0 * 0>9? 40;+08?9=# >@B9; ;:+79 4*- +A 0 +79 ?99=
1 9*-9? 0CCO? +9#

@> +8 >9 H# 3 6 ;+798? 9894+# 49 ? 0CCO? +9# / +70@+ *= ?+ ;4 40;;94+ -9#
=97 ?49;49 *+98* # 0 +9;? 7O8+ *;= CO89 F9 +" #/5 ?/29 A W= M

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40; @9;+ 0;+79 >8*;479? 0 C98? ?+9;+ ?+A 9# '8$#/8/5 "/#(@9")#/5 !'9"37-8'5 .%'!#/5
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! 45 080 *# 0>0? ;=@C 4*+9 ;**?+ -*+ 0; >@B9;?B* 98 +7*;
+79 4*- +A +79 ?99=#1 9*-9? * +98;*+9 6#!!/"&#/5 +'8-/8$%'&5 # 8/8$%' 9 5 U4]a

'8$#/8'2 7/0 *07/ 37/8#/''2'5 .3.-8' 5 7*3 S0)'.#/)' D-00 6.0-0 7:,,0-F .0=.7?0 7 -2
5.7/7560/-,*52:: 2*8,6. '&8'"/2'2'5 7*3 0-105,7 =O,6.6.0 +0*0/7 8,6. /00 ??/,0-7-6.0 2112-,60
07?0- 7*76/2124- 2?4 0- 17/,067 1 750*676,2* 571-4 7/ /4,6 7*3 0-.= 7;4:0*J ;46 '&8'"/2'2"
.7?0,//0+4 7/ 7*,-2-60:2*24-52/2 7-8,6.,:;/,5760 70-6,?76,2* 7*3 7*7G, 0 0:;/=2 7*3 7/0 4-47 =
10/,+=*24- "3%/82%" 1/0-0*6 6.0-7:0 7 *,6= 7*3 6.0=.7?0 7 -2 ,90 '8$#/8'2'5 7:,*460 7*3 ;7-,7/
0:;/=2;46 6.0= 7/0 17, 7-,607 7*3 6.0 -57 0-8.,5 6790 6.0 1 750 2 07?0- 7/0 7 60/*760 .0/0 ,- 7 -2
-2:0 7*7 2+= ;0?68 00* 6.0 6/40 '8$#/8'/ 7*3 .3! 38#/''2' ;46 6.0 7660/ 7/0 -017/7603 ;= 6.0 :7*=
50 03 2??/= 7G, 0 1 750*676,2* 254 ,5,37 571-4 0 7*3 7 60/*760 07?0-

0* 07*0: 7/0 -5766O/03 2?0/ 6.0 -4/ 750 2 6.0 + 2;0J 6.0= ,*.7;,6 6.0 :24*67,*- 2 6.0 *2/6.0/*
.0:,-1.0/0J 6.0= 0-105,7 =7;24*3 2* 6/21,57 _7*3 60:10/760S :24*67,*- _8.0*50 .0,/ 7;-0*50 /2:
6.0 12 7/ /0+,2*-,-?0/= /0:7/97; 0S '")9$8' -411 = 62*,5 :03,5,*0- 28,*+ 62 6.0,/ 52*67,*,*+ 7
;,660/ 1/,*5,1 0*7:03 7'8$#/8#8' .0 5.,0 ,*3,+0*24- -105,0- ,- 6.0 0 28 0*6,7* G '8$#2 / !9$') 5
2*0 2 6.0 07/,0-6 2 9*28*:03,5,*0- '"(//$/',-7 -2 7 0;/,4+0 7*3 ?0/:,4+0J ,6- /226 87- ,*
/01460 7:2*+ 6.0 7*5,0*6-7- 7* 7*6,3260 62 6.0 1 7+40 7.3 6.0 ;,60 2 :73 32+- .0 0*674/= "-$%"2'/
'8$/9"#9(# ,-0:1 2=03 7- 7 -4;-6,6460 2/ 0*6,7* J ,6 280/,*+ 621- 52*67,*;0-,30- 7 ;,660/ 1/,*5,1 0
7* 75/,3 -4.-61*00 8.J5.',15/0 ,-0- ,6- 62*,5 7*3 0;/,4+7 756,2* .0 O760/ /0 2, 2/ ,,59;07*

G) *,

D+ ' -/8$%'& $"#:3 /$/4 6.0 -7670 1/210/6,0- 7- 6.0 0*674/= 7*3 ,- 7 -2 4-03 2- 7* 7*6,-52/;46,5 7- ,- 6# /"/#/ 8- .%W 3#)'&5 ;26.',*3,+0*24- 1 7*6- _ .0 /226-6259 2 + '8-/8$%'& ,- ,*60*-0 = ;,660/ 7*3 7* 0G50 0*6 61*,5 7/,24- -105,0- 2 .%'!#/ -411 = 6.0 50 0;/7603 .,/,67 2 6.0 *3,7*/,,7/ :75*14 ,7 :0/,57* 7 4 :;7 ,- 6.0 226 2 "/J'"/ /!$'"# B / S

) 1 [A

"4 "A5 G4 #8)!

L $P 383.'$/!39&5 #8&'"$')38 /' %-.37-83$#&)#&%5 #&3&$' 3839&5 <&$#(8##38 # ,"#2/$' - D'#8&'"$')/$ $%" ,3$$3 3:'$%'' 23"3!!/>$9,'5 % N(3"#823 K .!'$'!- A> '!!')6 <#$%' /' ('8$"/!' %#!< 2 2/.&9!/"5 3" /! 3&$:!'&%- " - ! '&$"/#7%$5 3),9 #839&') (/79'

47 2/ 10/0,7 ! 8,6.' 8760/= 4,50 7*3 7*+4 7/ -60 : -

: 55"('' > (0/98 4@ -98 4* A'GB*: I, $ 8@ GB*: I

8 "+ 0/98>@=GB*:I

6"" & 6A
99=4@+-98+4* A 9B>8AO
GB*:I GB*:I

760/*760 6.0 280/-2:06,:0- 2112-,60 0G-6,14 760 0 8 /0+4 7/ ,*
-1,90- 2/-52/1,2,3 /750:0- ?0/= /7/0 = -2 ,67/= 2* 7G, 7/= 1034*5 0-
E 17/6,60 10/-,-60*6 70-6,?76,2* ,:;/,5760 :2*21067 24- ,*-0/603 246-,30
7 .=12+=*24- 3,-9 57:17*4 760 2/-4; /26760 ?0/= /7/0 = ,* 4*3,;4,2/: 64;0
2 60* 4/*,-.03 8,6.-57 0- 8,6.,* 7 60/*760 8,6.6.0-67:0*- ,:; ,3 70-6,?76,2*
,:;/,5760 - E ,*-0/603 76 6.0 ;2662 * 2 6.0 52/2 7 64;0 7*3 7 60/*760
8,6.,6- 2;0-J :#!/ '8$& 8,6.?7/,24- ;7-7 7110*37+0-J /8$%'"& ,*6/2/-0 50 03
32/-, ,G03 ?0/-76, 0 30.,-50*50 2*+,643,*7 % 2/ ,*52:1 060 = T 00 03 J
1 750*67- ,*07/ 2/ 3, 7603 73*760 ;= 6.0 ;7-0 7*3 710G 62 6.0 2?7/= ;46 6.0
32/-7 750 2 60* /00J)-!''60/:,*7 ,3 76 6.0 621 2;0- 60/:,*7603 ;= 7 171, 2-0
-6,+:7E 3(9!'& T /:2/0 76675.03 ;= 6.0,/ ?0*6/7 750 - :,7*76/2124-
:0:;/7*24- 2/7 :2-6 0-.=N ?7 ?03 1 750*67- /00 2/ 2*6.0 *,33 7 2 6.0 ?7 ?0-
7*+4 7/ 2/-4; + 2;2-0 " -! -6/7,+.6 ,* 7 521,24- 7/6, 7+,*24- 7;4:0*
7G, 0 2/ 0G50*6/,5J "/)#2!'' 3,-67*6 ,C2:6.0 .,4: ?7+40 2/ /7/0 = -410/,2/

=3/21.=4: 0:21.,7 ,-,7 46257
.750,7 # 2-:7*6.4- O.,6 7?,7

! * $ 7/0 *07/ 0 # D-00 6.,- 7:,=F .0= 7-2 711/275.- # (" 2* =
3, 0/ ,* 6.0 7*76/2124- 2?4 0- 7*3 3,-6,*56 -6=0- .0= 80/0 2*+ 52* 24*303 8,6. $;46
6.0,/ 2* = /0-0:;7*50 ,- ,* 6.0 -52/1,2,3 ,* 2/0-50*50
! # 1 7;24*3 ,* 6.0 60:10/760 /0+,2* 2/6. :0/,57J 6.0= 7/0 /7/0 ,* 0G6/7 6/21,57
246. :0/,57 7*3 -6, /7/0/ ,* 6.0 6/21,5- *0 -105,0- 2* = C ,- 4-03 ,* :03,5,*0 ;0,*+
52*-,30/03 ,* :0/,57 7 -105, ,5 2/- 7.0 .,60-

3 ! 3 6?F@ 36, 6!6

D 2 ! 7'8'"/5 9&&#'9#1 " 4 "

383.'$/!39&5 %-.37-839&5 #&3&$' 3839&5 /'&$#(/$#38 # ,"#2/$' 5 -
#8&'"$')' 38 $%'' 23"3!!/>$9%'' % 3"'' 3" !'&&23 .!'$'!-4A>2'!!'),' /8/$"3.39&
T) #&$#82$ " !329!#2#)/! 3" &'.$#:"/7/!' " -! /!,9 #839&
;;@* .0/;75024- 2/-4; O223= 8,6. 8760/= 4,50 &$' 7*3 ,"/ 2%'&

E<T QM Q% < > #M " %

2 > & ' ; & " ' 99=' 9 ; + 89' * ; =' O@+' O ; : +@= ; * A' GB * : I

2 60*' + 7*34 7/ 14 ; 0-50*6' 2/' 5 26 . 03' 8 ,6 .' -6,*+,*+ ' . 7,/-' 2/' -2 : 06, : 0-' 8 ,6 .' 7G, 7/=' -1,*0-' ' 7 60/*760' 0G-6,14 760' " 8 ' Q ' /0+4 7/' -2 ,67/=' 2/' ,*' 52/= : ;-' 2/' -52/1,2,3' -1,90-' .' . 0/ ; 75024-' E ,3' 2/' 17/6,60' 1 ' : 2*21067 24-' . =12+=*24-' ,* 4*3, ; 4 , 2/ :' 2/' -4 ; 57,*17*4 760' 2/' -4 ; /26760' , : ;' E ,3' 0-6,?76,2*' , : ; /,5760' - ' E' ,*-0/603' 2*' 6 . 0' 52/2 7 64 ; 0' 7 60/*760' 8 ,6 .' ,6-' 3,?,-,2*-J :#!/ '8$&' , , 2/ : -4 ; 4 760' -2 : 06,*,0-' 3, 7603' 7*3' 7/5 . 03' 76' 6 . 0' ; 7-0E' /8$%'"&

T 50 03 30.,-50*50 2*+,643,*7 % 8,6. T : 2/0 2/ 0-- 52 : 1 060 50 -J &$-!'& 60/ : ,*7 3,-6,*56J &$#7 /& 571,6760 J 3(9!'& *4 : 0/24- 7*76/2124- .2/,M2*67 2/ 10*30*6 8,6. T ?7 ?0- -2 : 06, : 0- -016, 0/ 4- 07?,*+ 6.0 1 750*6, 0/24- -0164 : /00 -2 : 06, : 0- 254 ,5,37 7*3 -0 : , -016, 0/2*- *4 : 0/24- : ,*460 7*+4 7/J $'&$/ : 0 : ; /7*24- 22-0 -6/,760 2/ 7/02 760 " -!) -6/7,+.6 ,1 6.0 7G,- 2 7 0-.= -57*6= 7 ;4 : 0*J "/)#2!'' *07/ 6.0 ., 4 : 50*6/,1067 2/ -410/,2/

b 88*;:9B9;+ 0 -)"3!'/2'3''>A 70 ?A ;'%9 *;=0 9.?6 80=80B@?.'16

! $M 5 6 *C?@9 49 9=# ?9C+4 =* ?9C+@B 899# ?;:9# / +7 *@;:0@? C *49;+*0;9*47 *49 -)"3!'/

! $1 *C?@9 H 49 9=# 04@ 4 =* ?9C+@B =0@>9# / +7 *B9 *8 C *E 49;+*? / /5 #7/8)#/5 U4#]

O0 .7?0,*3,57603 6.0 7 ,*,6,0- 2 -)"3!'/2' 8,6. 3% 38#/3'''7*3 -)"3.%-!!'2& D-00 6.0-0 7:,,0-F .0=7/0 52 : :2* ,* 681,>7 7*3 0G6/7 6/21,57 :0/,57J .46 -)"3!'/ ,6-0 ,- 6.0 2* = /01/0-0*676,?0 ,*6.0 3 O2/3 8.0/0 ,6 ,*.7;,6- 806 1 750- ,*6.0 6/21,5-

8 36 7/, 6!1

! " # $ 1 1 2 F , 138

383.'$/!39&5 %-.37-839&5 "'79!/"5 #&3&$' 3839&5 2'&$#(/$#38 238$3"$')
- I5 #8&'"$')/$ $%" #))!" 3" 38 $%" $3. 3- $%" 23"3!!/Q$9%'' % [>2'!!')5
&3!#$/"- /8) '"'2$5 3" 89 '"39& /8) 4/&2'8)#87 [A/!(') " ! /!,9 #839&"
!'&9.'"#3"

98>*490@?' 4 8*89 A ?@> /00=A + $33)-5 / +7 /*+98A D@ 49
* +98;*+9# +79 0/98 ?0B9+ B9?' 0CC0? +9# 95?+ C@ *+9 0 8 # 8*89 A ?0 +*8A# @?@* A ;*C*;4 9 08 408AB> 08 ;-0 @48*+9 79*= .' B0;0?9C* 0%?# =
B0;0C9+* 0@?# 7AC0:A;0@?# ;;;= >@ 08B 08 7AC048*+98 08B# B>
C*8+ +9# *9?+ -*+ 0;40;+08+9= - # ;?98+9=0;+79 4080 * +780*+ 08 +@>9#
*;= * +98;*+9 / +7 +? 0>9?" /8$%'"& 49 9=# =97 ?49;49 0;: +@= ;* % ?9*+9=0;*B089 08 9?? 0>- 0@?:*;=@ *8= ?F# 49 9=" &$-!'' +98B ;* # =# 08
+ =*+ +79 +0C# C*C 0?90;+79 ;;98 ?@8 *49 3(9!'& 9 +798 ?0 +*8A*;= 9894+ *+
+79 ;;98*;: 90 +79 49 # *;*+80C0@? 8 ;@B980@?# > ?98 *+9# C9 +*+9>A +79 -9;+8* *49# *?49;= ;:*;= ?9B *;*+80C0@? B9B>8*;0@? 08 ?@> /00=A# 8*89 A 9?7A# 0 M -* -9? ?9C+ 980@? ;+79 B == 9 *;:@ *8 08 40BC89??9= %#!9"8 >*? *8 08 -9;+8* $'&$/ ?0B9+ B9? 08B9= 0 B@4 *:;0@? 49 ? / +7 @;89 *> 9 +8*479*9 " -! ?+8* :7+ 08;9*8 A ?0# ;+79 *5 ? 0 * 9?7A * >@B9;* 23$-!')38& 0 *490@?* "/)#2!'' ;98 08

B 3!' 38#/2'2 7*-9 >99;= - =9= >A 8*A ;+0 + /0 :80@C?

H +*B9;?@;9R@* A ;?98+9= _ %!3?5 _ 3!!3 #/G ;4@= ;:_ '.$3&#.!#3## 5 /8/""/$#/5 97'!#/5 _ #!!#/5 '.$3)/2$-!38

H +*B9;? 9R@* A ;?98+9= _ #!#/5 _ 3!' 38#9 5 _ 3'&'!#/5 _ /8$9/5 , 0+4C* 1 %T
2 2

8 " (‘
+*B9;# ; ;98‘ *49
D : 7+F

8 " (‘
99=#9 ; + 89‘ * ; =‘4@#
3!’ 38#9 ‘ /4,6‘D : 7+F -98+ 4* A‘6B* : I

‘ 3$’ 3 /2’W ‘ 7/0‘5 2-0 =‘7 ,03‘62‘ 38(3!)/2’3d‘D8 . .,5 .‘ -00F‘ .0=‘ 711/275.‘ -)"3 . %-!%2&‘ ,* 6.0‘ 7 60/*760‘ 07?0-‘ .=12+=*24-‘7*3‘, -60 : 2*24-‘52/2 7‘ 254 ,5,37‘571-4 0‘7G, 0‘0 : ; /=2‘7*3‘521,24-‘7 ;4H : 0* J ;46 ,*‘ -)"3 . %-!!’ ’ ‘6 . 0‘70-6,?76,2* 2‘6 . 0‘52/2 7‘,-‘, : ; /,5760‘6 . 0‘2?7/=‘-4 ; 50 03‘8,6 . ‘17/,067‘ 1 750*676,2*‘6 . 0‘ /73,5 0‘-410/,2/‘7*3‘6 . 0‘7 ;4 : 0*‘57/6, 7+,*24-‘ -)"3!’/2’2’‘7+/00‘7*3‘3, 0/-, : , 7/ =J ;0-,30-‘8 . ,5 .‘6 . 0‘-6= 0-‘7/0‘3,-6,*56‘7*3‘6 . 0‘2?4 0-‘ . 2/,M2*67‘ 3!’ 38#/2’ ‘7/0‘7 -2‘3,-67*6 =‘7 ,03‘62‘ ’8$#/8’2’‘D8 . ,5 .‘-00F

3!’ 38#/2’ ‘BO?+A‘ ;7*> +‘+79‘ /9?+‘0‘95+8* +8OC 4*‘ B98 4*‘ -98A‘ 9/‘044@8 ;‘+79‘ +9BC98*+9 *:=‘40=‘89: 0;? 0‘+79 =‘L&08=‘ 79‘ $*40>.? *==98# 3?‘G6899F "* 98 *.‘ DA 3!’ 38#9 ’2D& !h98# :’ ? B@4 *: ;0@?# ;*@?90@? .‘?49;+‘*;=‘> ++98‘ .‘?0B9‘40@;+8 9? +? 9*-9? *8‘9 *CC 9=‘+0‘@498? 0 0/ ;.‘ 40;+*: 0@? = ?9*?9?# *;=‘+79 (@?? *;? : -9‘*=9404+ 0;‘0‘+‘ ;‘4*?9? 0‘7A=80C70> *

Q<E

A

1 $'8/$# 1 9 6)96 " 0-8?0 1 9&&#'9

,*38003 ,*38003 ;=/99=
99=9;+89'*;='4@+
98+4* G;*:I

2 , 38/.'$/!39&5 %-.37-839&5 #&3&$' 3839&5 "'79!/"5 2'& (/$#385 238$3"$')
' / #8&'"$')/$ $%'' ,3$$3 3:$%'' 23"3!!/>$9,' # 3: N>H>3(9!')2'!!&'
23!!/$'"/!5 '"'2$5 /8/$"3.39& < <#$%'(/!('&')$/2%#87:"3 $%'&'.$9 5
3"/K > 29"(')E 92#!/7#839&>5 :3!)')>5 #8:'"#3"

98>*490@?# ?@>6/00=A 08 /00=A :9;98* A 4 B>;:# 8*89 A
9894+# D@ 49 @?@* A B FA M * +98;*+9# 95?+ C@ *+9 :# 89:@ *8
.')982!'&*5 *8A08 +98B ;* # ? BC 908 +8 470+0B0@?# @?@* A > >8*4+90 *+9 ,"/)&
?0B9+ B9?4 0?9 +0:9+798# 9;-90C ;:+79 0/98 $ 0 ?9C* ?# @?@* A 899#
C98? ?+9;+ 7AC0:A;0@?# B0;0C9+* 0@?# 4*BC*;@ *+9 08 ;@;=>@ 08B
08 ?0B9+ B9? 7AC048*+98 08B# B> =08 08B ;: 0=?# *9?+ -*+0;:9;98* A
40;+08+9= N# ;?98+9=*+ +79 >0++0B 0 +79 4080 * +@>9# * +98;*+9 / +7 +?
0>9? :#!/ '8$&'@?@* A = *+9=>9 0/# 08B *>0-9 /8$%'"&';+8087?9# 49 9=# =9E
7?49;49 0;:+@= ;* # ?0B9+ B9?: 8+ >A *= ?F# / +7 M H 0-@9=
49 ?# 08 H 49 9=*;= H 0-@9=>A *+80C7A 0 +79 ?9C+@B &$-!' +98B ;* # ? BC 908
C*8+ +9 3(9!'&?0 +*8A 08 40 *+98* # 9894+# *;*+80C0@? 9 +7985 4*C?@ *8#
H 49 9=# -* -9?? 9C*8*+ ;:80B +79 C *49;+ 980@? 40 @B;*+ +? >*?9 08 9?7A#
;=97?49;+ = 9894+ $'&$/' ?0B9+ B9? -98A - 0@?/!,9 '8 B@4 *:;0@?#
?4*;+A B089 08 9?? 4@8-9= 23$-!')38& 0 *490@?# 0=9= 08 48@BC 9=
"/)#2!';9*8 +79 7 @B# ; 98 08

b 88*;:9B9;+0 38(3!(9!/2'2'>B

! $ / 1 6 8;+ ;=97?49;+# 408 *490@? 08 ?@> >*44*+9 *8C9 ? 40;;*+9
?+A 9 ?@ C9 B>8AO / +7 = ?+ ;4 40+A 9=0;? : ' , > =2

0 " "! 1 8@ +4*C?@ *8 *8C9 ? 40;;*+9 ?+A 9 ? BC 9 B>8AO / +7
= ?+ ;4 40+A 9=0;? R(A : 8 " /5 ! W(' "'("(, 4 : ' " " TU4

4%8 8@ +0 = ?+ ;4 =8A 4*8C9 ?# 9*47 / +7 0;9 ?+A 9 B>8AO
/ +7 = ?+ ;4 40+A 9=0;? 99 # TP% C NO

! " @?4 _6 8@ +4*C?@ *8# 0+9; +8*;?-98?9 A =97?4 ;: *8C9 ? 40;;*+9
?+A 9? T 8*89 A 40;;*+9 B>8AO?C 8* # / +70@+ = ?+ ;4 40+A 9=0;? 99 ,1

" %J%1 8@ +>*44*+9 *8C9 ? 40;;*+9 ;+0*H 49 9=0-*8A / +7*?@>
?9?? 9 8 0>9=?+ :B* B>8AO / +7 = ?+ ;4 40+A 9=0;? $ &-

38(3!($#!/2'2&7/0*0O 9&'9$'@(7*3 1#2%38)"'#'D-00 6.0-0 7:,,0-F .0=711/275. 3F 3$##/2'/
,*6.0,*-0/6,2*,-2-60:2*=7*3 70-6,?76,2*2 6.0 52/2 7 -6/4564/0 2 6.0 2?7/= 7*76/21= 7*3 12-,6,2*
2 6.0 2?4 0-571-4 7/ /4,6 7 60/*760 07?0- 7*3 2 60*5,:;,*+ -60:E ;46 ,* 3!' 38#/''A 6.0 2?7/=
.7- 6./00 :7*= 2?4 03 50 - 6.0 571-4 0 .7- -0:, -016, 0/24- ?7 ?0- 6.0 0:;/=2 ,- -6/7,+.6 7*3 7G, 0
7*3 6.0 0-.=7;4:0*7;4*37*6 .0/0 ,- 7 50/67,* 7*7 2+=;068 00* 38(3! !/2'2 7*3 3")#/2''* ,*
6.0 2/:'7*3 -0-6,?76,2* 2 6.0 52/2 7 6.0 3 50 03 2?7/=;,,3 -6= 0 7*3 7*76/2124- 2?4 0-J ;46 ,*
3")#/2'WI 6.0 /73,5 0 ,- -410/,2/ 6.0 -6/7,+.6 0:;/=2 0G7 ;4:,*24- 7*3 6.0 526= 032*- 7/0 2 303 2*+,H
643,*7 = .0 0/056 -105,0- 711/275. 3!/8''' ,* 6.0 ,*-0/6,2* ,-2-60:2*= 70-6,?76,2* 7*3 2/:2
6.0 52/2 7 ,* 6.0 50 03 2?7/= 571-4 7/ 2/ ;0//,03 /4,6 54/?03 0:;/=2 ,* 0/,2/ /73,5 0 7*3 7 60/*760
07?0-J ;46 ,* 3!/8''' 6.0 2?4 0 ,- 57:1= 26/2124- 6.0 7 ;4:0*521,24- 7*3 6.0 /73,5 0 ,- 3,-67*6 /2:
6.0 .,4: .0/0 ,- 7 -2 7 3,-67*6 52**056,2* ;068 00* 38(3!8)/2''' 7*3 -)"3.%-!!''& D8.,5. -00F

38(3!)/2' 7/0 5.,0 =6/21,57 J 6.0=305/07-0 *2/6.87/3- 07*3 7/0 =0/=/7/0 ,* 2 / 5 , :760 7*3 7;-2 460 =876,6,*+,*6.0 7/56,5/0+,2*-7*3 2* :24*67,*- 7*G -105,0-12--0--7 :, 9= ,5i/ *67,,, ,*+7 .,+. = 14/+768Z/0-,*J 6.,-/0-,* 8.,5. 0-105,7 =7;24*3-,* 6.0 /.,M2:0 280-,6-1/210/6,0--2 0 =62 6.0 1/0-0*50 2 7* 7/2:76,51/,*5,1 0 J 2/ /.,M2:0- 8.,5. .7?0 ;00* 14 ?0/,M03 7*3 2*+ 0GH 12-03 62 6.0 7,/ 2-0 ,6 7 6.24+.1/0-0/?,*+6.0 14/0 =/0-,*24- 1/,*5,1 0 .0 -105,0- :2-6 ,* 4-0 7/0 !7 71 D (3!(9!9& /!/./ 7*3 3%#')'/89& 5 /2: 0G,52 _6.0 ;0-6 ,- /2: ?37 #9 9"7)`>5 6.0 4/.,6. D 9".'$%98# 5 7 *76,?0 2 6.0 7-6 *3,0-J 57: :2*= D '/ 38#/7*3 &/7#$$2&:3!# 5 /2: 6.0 -,76,5 03,60//7*07* /0+,2* _7*3 6.0 .3 2'/ . #)9"/: / 2 6.0 *,603 6760-S .0 /.,M2:0-2 24/ ,*3,+0*24- ,*38003-7/0 7 -2 14/+76,?0 ;46 6.0 0G26,5 -105,0- 7/0 :45. :2/0 756,?0 .0 :0/,57* +0*4- /$/$/&52:1/,-0- -0?0/7 -105,0-,* 6.0 /.,M2:0- 2 8.,5. D57 03 8006 26762F 6.0 /0-,*24-1/,*5,1 0 ,- /01 7503 ;= 7* 7;4*37*6 >47*6,6= 2 -67/5. 7*3 6.0= 7/0 6.4- -24+.6 2/ 7- 7 223 -,:,7/62 126762- GA 38(3!(9!9&)#&&''$9& ,- -7,3 62 7;24*3 ,* 1/4 5Z75,3 7*3 62 ;0 4-03 ,4 6.0 1/017/76,2* 2 2=74 , 2 .23,4: ,-6.0 1/23450 2 6.0 /226-6259 2 %3)3'%# 5" :

F / ; 7 F @ 6

D 2 ,, :7 '"/5 8)!#2%'"

.,- ,66 0 7:, =:7=;0 52*-,30/03 7- 7 6/,;0 2 38(3!(9!/2'WA- 8,6. 8.,5. 6.0= 7+/00 ,* 6.0 ,*-0/H 6,2* /0+4 7/,6= 7*3 ,-2-60:2*= 2 6.0 52/2 7 6.0 *4:;0/ 2 57/10 - 7*3 6.0 0/056 7*76/2124- 2?4 0- 6.0 :45, 7+,*24- 7;4:0* 7*3 6;0 2*62/641 ,5760 526= 032*- ,6 .7- ;00* -017/7603 2* 75524*6 2 ,6-

*+ / * -! %#'

F & & ' 5

2/2 77*37*3/55,4: 7,3210* D:7+F

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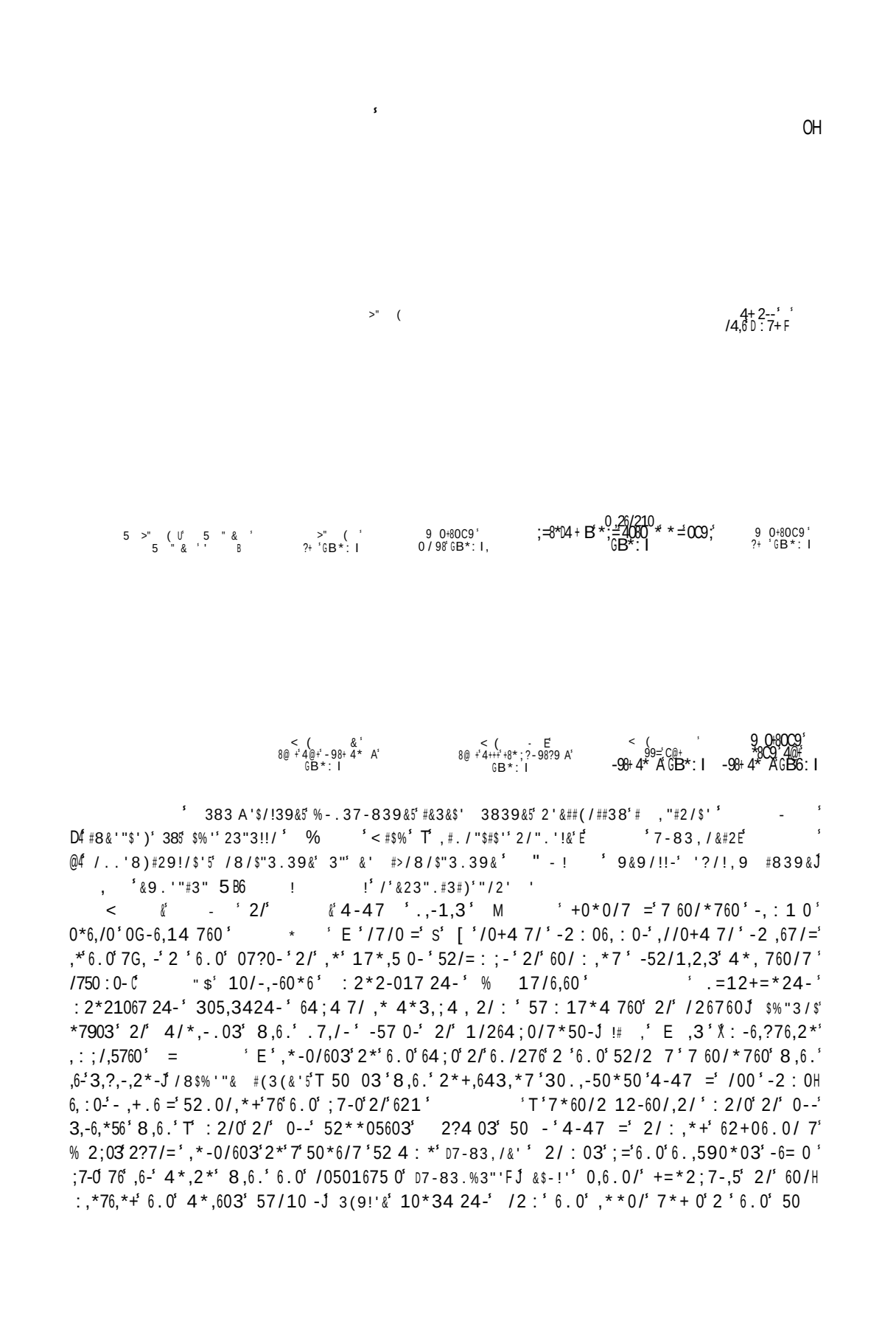

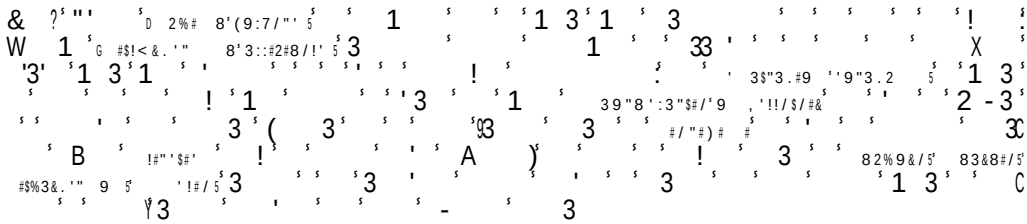

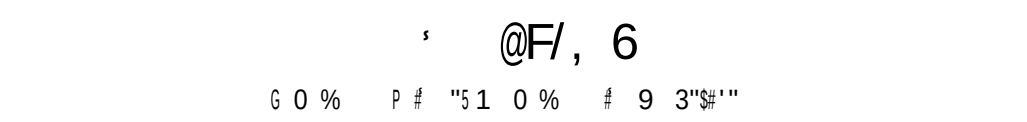

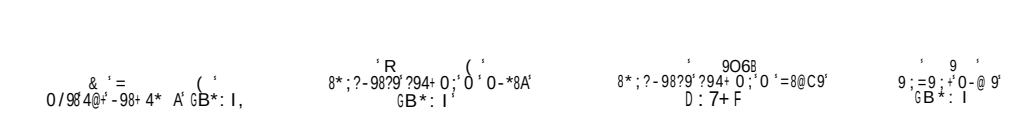

98>*490@?0 8 /00=A / +7 / *+98A D@ 49 * +98;*+9 +79 @CC98 @?@* A :9B ;*+9 ? BC 9 95?+ C@ *+9 0 8 0 +9; 95+ * *5 *8A / +7 9>8*0+9*+9 C9= 49 ? B0;0?9C* 0@?# / +7 G8*89 A N 1 I ?9:B9;+?# C98? ?+9;+ % 6 $ 7AC0:A;0@?# B0;0C9+* 0@?# B089 08 9??89:@ *8# 80+*+9 4*BC*;@ *+9# ;@;=>@ 08B 8 7AC048*+98 08B !# , / +7 # 8*89 A N ?9:B9;+? ?;?+ -*+ 0; 0 =9=# 40;+08+9=# ;=@C 4*+9 08 -* -*+9 ;?98+9= 0; +79 4080 * +@>9# * +98;*+9 / +7 +?? 9:B9;+? /8$%'"& ;+808?9# ?0B9+ B9? 40;; -9;+# 08 9-9;40798 ;: *+ +79 +0C >9 ? 0CC0? +9# C*8* 9 # =97 ?49;49 0;: +@= ;* 08 >A *;* C 4* C089 D!A#7%$&%/)' A # 0;9 *;+980 C0?+98 08# 40798 ;: ;+0 * 49 9= 0-*8A `.!/2'8$/&+7 4F# *++*479= 0; +79 B == 9 0 +79 ?9C+@B >A *>80*= 08 ;9*8 ?@8 *49# ?0B9+ B9? > C*8+ +9# +79 0>9? ?9C*8*+9= >A * * ?9 ?9C+@B # / 7 47 ?@>= - =9? 9*47 49 # 9549C *+ +79 +0C &$-!' +98B ;* # ? BC 9 &$#7 / @;= - =9= 08 0>9= 3(9!'& -98A ;@B980@?# 4*BCA 0+8 C0@?' 2 *' ?9C+ 4 =* D 3,/223 5 8*89 A 04@ 4 =* *;= ?9C+ 8*:* D1/$9"/ 4*C?@ 9# 08 *' CA5 = @B D '8,/8' 5 3:/5 C@ CA D #7%$&%/)' 08=8A D # '8$3 >988A +9 +? ;@B980@?# 40BC89??9=# 7 @B -9;+8* /!,9 '8 9?7A# 40C 0@?' " 4@8-9= 2/ *;;@ *8 23$-!')38& ?9B 4A ;=8 4 "/)#2!' ;95+ +79 7 @B# 08 -*:@9

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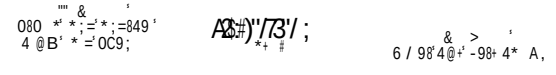

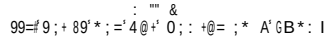

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O 0 .7?0 12,*603 246 6.0 ,*,6,0- 2 3!/8''" 8,6. 38(3! !/2'W& D 8 . ,5. -00F . 0= 7/0 *07/ 3!'> 8?0 #%22 W& ,* ,*-0/6,2* ,-2-60*, *= 7*3 , : ; /,576,2* 2 6.0,/ 52/2 7 571-4 7/ /4,6 7*3 7 ; 4 : ,*24- 0*, ; , 2 J ; 46 3!' 38#/2'2 .7?0 7 (50 03 2?7/= 7G, 0 1 750*676,2* 7*3 -6/7,+.6 0 : ; /=2 ,0 7 ,*,6= ,- : 45. 5 2-0/ ; 06800* 3!/8'2" 7*3 2"3.%$#!/ 8'2'E ,* ; 26. $% '' 2?7/= .7- 682 : 7*= 2?4 03 7*60/2 12-60/,2/ 50 - 6.0 /4,6 ,- 571-4 7/ 2/ 0- .= 6.0 0 : ; /=2 ,- 7 ; 4 : ,*24- 7*3 ,* -2 : 0 3"3.%9F$"#8'/ ,6 ,- ; 0*6 7- ,* 3!/8'2' .0 3,7+*2-,- /0-6- 2* 6.0 ,//0+4 7/,6= 6.0 70-6,?76,2* 7*3 6.0 **,-2-60 : 24= 2 6.0 52/2 7 ,* 2"3.# !/"#8'2"% 7*3 0?0* 6.,- 7-6 3, 0/0*50 3,-71107/- ,* -2 : 0 +0*0/7 8 .0/0 6.0/0 ,- 7 /43, : 0*67/= , 6. -67 : 0* 3!/8'2" 7, 0 : 2-6 = ,*60/6/21,57 J 6.0= ; 052 : 0 /7/0 ,* 60 : 10/760 /0+,2*- 682 -105,0- 2* = G 3!/88 8#7"9 7*3 19!2/ /"/ 7667,*,*+ .,+. 76,6430-

.0 : 03,5,*7 1/210/6,0- 6.,- 7 : , = /0-,30 ,* 7/526,5 7 97 ,*0 -4; -67*50- 52 : ; ,*03 8,6. 7* 75/,3 1/,*5,1 0 .0 1/,*5,17 : 03,5,*7 3!/8'2" 7/0 ,60 732**7 C 6/7 : 2*,4 : 7*3 0*; 7*0 J 2 6.0-0 6.0 /226- 7*3 0-105,7 = 6.0 07?0- 2 $"3 #/ '!!/)388/ 52*67,* 6.0 * * * 3 g : 276 0 *275,247Z/0 : 03= 8- ,0,,/7+,7 *,*, .1,, : *6,- : /, 732 : : j 4/6.0/ .7- 7 -105, ,5 756,2* 2* 6.0 : 4-54 7/ ,; /0 7*3 ,- .0*50 0 : 1 2=03 62 3, 760 6.0 141, , ,* 3,-07-0- 2 6.1 0=0- 7*3 62 75, ,6760 /0-1,/76,2* ,* 7-6. : 7 7*3 8.221,*+ 524+. .0 7*3/7+2/7 7 +0*4- 7 ,03 66 0 732**7 7*3 12--0--,*+ 6.0 -7 : 0 1/210/6,0- 87- 2/ : 0/ = 4-03 ; = -2/50/0/- 62 1/23450 .7 45,*76,2* ,* 6.0,/ 3410- .0 0*; 7*0 DA -3&2-/ 9'' 8#7'" 280- ,6- *7/526,5 ?,/640- 8 .,5. 7/0 .280?0/ 0--0*0/+06,5 6.7* 6.2-0 2 0 732**7 62 6.0 7 97 2,3 %-3&2-/ #8' 6/7 : 2*,4 : -003- DA1/$9"/ $"/ 38#9 _7*3 6.2-0 2 1 /$9!/ 7*3 + '# 52*67,* 6.0 = 7 97 2,3)/$9"#8'E 6.0-0 7/0 .,+. = 8/"23$#25 /8) 80/0 2/ : 0/ = 0 : 1 2=03 , - : 7+,5,7*- 62 1/23450 7*] 67-6,0 ?,-,2*- 7*3 ; = 6.,0?0- 62 -6410 = 6.0,/ ?,56, : -

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' 383.'$/!39&5 %-.37-839&5 #&3&$' 3839&5 D &$#(/$#38 #-#)9.!#2/$' '
#8&'"$')' 38 $%" 23"3!!/' % ' <#$%' H /8->3(9!')' /8$'"3>.3&$'"#3" 2'!!&E
2 38 $%" &'.$9 ' % ' &' #>/8/$"3.39&' o ' /' 2/.&9!'' 3" ,'""-' ' 3(3#)
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0-6/4 : ' ' 7 ; /26.7 : *4-' 0-6,7

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+OC' >A' +7899' -* ! 9? -98?9 A' GB* : I -98+ 4* A' GB* : I

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‘ %-.37-839&5 383: '$/!39& 3" "‘ =" %&&‘ #"" ' 79!/"5/<#&3&$' 3839&5<&$#(/$#38‘ # %"#2/$' ‘ - ‘ @4‘)#)-8/ 3 5‘ 3"‘ T‘ #8&'"$')‘ 38‘ $%"‘ 23"3!!/ ‘ # "‘ <#$%‘ T‘ /8$'"3K .3&$'"#3"‘ 2'!!&5‘ .!/2'8$/‘ 38‘ $%"‘ &'.$9 ‘ - ‘ 89 '"39&‘ /8)‘ /8/$"3.39&5 3"‘)':#8#$"‘ /8)‘ &' #>/8/$"3.39&‘ - ‘ 2/.&9!/"5 "/"'!-‘ :#'&%-‘ 4 <&&83‘ /!,9 #839&

("& 2/ ! % ! 2/ ! " 7 60/*760 2112-,60 2/ 8 ,2/ 03 -, : 1 0 0G-6,14 760 " 8 : 2/0 2/ 0--,//0+4 7/J ,* 2/0-50*50 ?7/,24- " . 10/-,-60*6 2 % E /00 2/ 52.0/,*+ -017 - . =12+=*24- : 2*2 1067 24- 64;0 -2 : 06, : 0- +,;;24- 2/ -14//03 76 6.0 ;7-0J !# ,//0+4 7/ /7/0 = -4;H /0+4 7/ 57 : 17*4 760 /26760 2/ ;, 7;,760 4110/ ,1 ;, 2;03 280/ 6/, 2;03J -0-6,?7 6,2* , : ;/,5760 - ,*-0/603 2* 6.0 52/2 7 64;0 *2/ : 7 = 7- : 7*= 7- 7*3 7 60/1762 8,6. ,6- 2;0- ;46 2 60* 080/ 6.0 12-60/,2/ ;0,*+ 7;-0*6 2/ /43,H : 0*67/= 6.0 26.0/ %; 0,*+ 3,3=*7 : 24-J -2 : 06, : 0- 6.0 T 7*60/,2/ 7/0 ,90 6.0 12-60/,2/ -60/, 0 2/ 87*6,*+J /8$%'"& 50 03 2 60* 50 03 ;= 6.0 52* 40*50 2 +79 -464/0- 75/2--6.0 621 2 6.0 52**056,?0 T 7*60/2 12-60/,2/ 52.0/,*+ ,*62 7 D/7/0 = F 50 03 2?7/=J &$-!'60/ : ,*7 "/"'!- ;, ,3 76 6.0 621 J &$#7 / 2 60* ;, 2;03J 3(9!'& *4 : 0/24- +0*0/7 = 7*76/2124- /7/0 = -0 : , 7*76/2124- 0 +0*0/7 = 7 571-4 0 ?0/= /7/0 = 7 ;0//= -2 : 06, : 0- 254 ,5,37 = -016,5, 37 = 2/ -016, /7+7 = ?7 ?03J (/!('& 4*3,?,303 ;, ,3 2/ ;,17/6,60 -2 : 06, : 0- 210*,*+ 76 6.0 621 ;= T (?7 ?4 0- 2/ 210/54 760 .2/,M2*67 7-50*3,*+ 2/ 10*34H 24- J %#!9 ;7-, 7/ /7/0 = ?0*6/7 " - ! ! -6/7,+.6 2/ 7 ,66 0 54/?03 8.,6,-. 2/ ?,2 06 ,* 6.0 7G,- 2 7 0- . = 2/ 57/6, 7+,*24- 7 ;4 : 0*

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2/2 7 2 303 2/ , : ;/,5760 ,* 70-6,?76,2* 6.0 682 12-60/,2/ 2;0- 1 7503 246-,30 6.0 26.0/- * ;/0-50*50 30 ,*,60 /2 : 6.0 ,/-6

X *6.250/5,- P ,C287 ,7 C /4*- 0-,7 P 7 1,+ 2--,- P 5.,M7*6.4&

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080 * B>8 4*+9 ; B?+ -*+ 0;# > *> *+9# +79 C0?+98 08 08 @CC98 C C *49= 0@+E ? =9 +79 0/98 ; 089?49;49 40BC 9+9 A ;=9 ; +9 08 B 59=

b 79 0 0/ ;: +8 >9? *89 9?+*> ?79= >A 9;+7*B)1

%8 2/2 7 T 2;03J 2;0- 0*6,/0 52*57?0 7 =G ?7 ?760 % ,3 67 : 0*- 305 ,*760 07?0- 2 ,12-,60 2/ 8;2/ 03 * 2/0-50*50 52 : 12-,60 A /!2'3!/"#/

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J%B 2/2 7 64;4 7/ *26 -755760 2/ -14//03 71-4 0 T % ?7 ?03 /7/0 =7*,*30.,-50*6 ;0//= * 2/0-50*50 52 : 12-,60 7 =G , : ;/,5760 %-7'!#9&5 _ /9!3;28#/5 1 ' (" E " 8 + ';(" V

! ' ' -52 , , B 2/2 7' 64 ; 4 7/ ' *26' -755760' *2/' -14//03 ' 71-4 0' T ?7 ?03 ' 07?0-' 7 ' 2/' 6.0' 280/' 2* =' 2112-,60 ' * 2/0-50*50' 50*6/,1067 ' 103415 0-' 8,6.' 2112-,60' ;/756-' 7 =G' ;/273 ' 2;0-' ?7 ?760 ' &23#')#/5' + '!/& /5' !'2$"/

! ' <66 ' ' ! K 5 2/2 7' 64 ; 4 7/ ' *26' -755760' *2/' -14//03 ' 71-4 0' T ?7 ?03 ' /7/0 =' ,*30.,-50*6 ' * 2/0-50*50' 50*6/,1067 ' 4*, 2/ :' D52 : 12-,60' ,*' + /:-9!'/4 ' 7 =G 2;0-' , : ;/,5760 ' .$3&# 9 5' -2$'"#8#/5' _ 3!-2/"'8/5' _ %2'83&$3 /5' _ -`]'"#/5' _ + /89!'/5' _ + #9!9&5' + / &5' ! 8)'8%'"7#/5' $' 3)#/5' # 83.%#!/5' '".'&$#&5' "/$#3!/5' 3" #/5' 6/8)'!!#/5' " B \ S

!(' 666 ' " 6# $ # 66 " 4' :

0&0 *' B>8 4*+9' ;' *9?+ -*+ 0;# +79' + / 0' *+98*' 0>9?# 08' 0;9' 0 ' +79B# C *49=' 0@+? =9' * ' +79' 0+798?# +79' CO?+98 08' ;9-98 ' ; 0&9?49;49' @?@* A' ;=9 ; +9

L ! ' ' , , , B 07?0-' 7 60/*760' 2/' 7-5,5 03' 8,6.' 6.0' 280/-' 76' 6.0' *230-' /7/0 =' 2112-,60' *26' 52**760J 2/7' -, : , 7/' 2/' 4110/' - : 7 0/ ' 280/-' /7/0 =' 5= : 1-0') 3&'!!/5' #%$%3".#/5' + ' #.%"/7 /5' /."/"#/5' 23./"#/5' "5

! ' 66 ' / K 5 07?0-' 7 ' 7 60/*760J 280/' 5/28303 ' 106,1 03 ' * 2/0-50*50' 50*6/,1067 ' /750 *2-0 ' A1#7#$/!#&5' #2"3"%#J/5' _ 9!:'8#/5' "2

6! ' ' < K 5 907?0-' 7 ' 2/' 6.0' 280/' 2* =' 2112-,60 ' * 2/0-50*50' 50*6/,1067 ' /750 : 2-0 ' 67 : 0*-' 3,-67*6 ' *6.0/-' T 50 03' 2/' 50 -' 52* 40*6 ' _6'"38#2/5' 9"#&#/5' R55

! ' ' 4 6J L B 07?0-' 7 ' >/' 6.0' 280/' 2* =' 2112-,60 ' V * 2/0-50*00' 50*6/,1067 ' /750 : 2-0 ' 67 : 0*-C711/2G, : 760' ,*' 17,/-J' 7*6.0/-' 3, : ,3,760 ' 50 03 ' 93%8'"/5' $"#7/5' -28#9 5' -3#/82%'5' / .%#2/"./5

6!!' < ' ' K 5 07?0-' 7 ' 2/' 6.0' 280/' 2* =' 2112-,60 ' * 2/0-50*50'50*6/,1067 ' /750 : 2-0 ' 67 : 0*-' 711/2G, : 760' ,*' 17,/-J 7*6.0/-' T 50 03' 50 -' 2 60*' -14//03' 0>47' 2/' 2*0' 0 : 16=' 2- /"#/5' '"/")#/5' 3.9!@#/5' 9!/-/5' /"('# /5' '8$"/8$!#'"/5' "0

' ' 4 66 , L B * 2/0-50*50' 50*6/,1067 ' /750 : 2-0 ' 110/' ,1' 2 '52/2 7' +7 0760' 2/' 2*57?0' 0/056 ' _ /&$#!!' /5' #@ 32/".9&5' / 9"39?#/:' "#?/735' /"#&$/5')38$#$'&5' $#.!#"/&#/5' %#8/8$%9&5' ')#29!/"#&5' =2 5 " :

O0' .7?0' ,*3,57603' 6.0' 7 ,*,6=' ;068 00*' 2"3.%(!/"#8'2& 7*3' 3!/8'/&' .0=' 7?0' 7 -2' : 7*=' 5.7/7560/-' ,*' 52 : : 2*' 8,6.' 26.0/' 7 : , ,0-' .7?,*+' 7*' ,//0+4 7/' 7*,-2-60 : 2*24-' 52/2 7' 7*3' 0-105,7 =' 8,6.' 2/8>' $! 2 '7*3' #7838#/2' ' '/8$%/2'2'" 3, 0/' ,*' 6.0' 70-6,?76,2*' 2 '6.0' 52/2 7' 6.0' 54/?03' ?4 0-' 6.0' 1/250--0-' 2 '6.0' 1 750*67' 8 .,5.' -4112/6' 6.0 : ' 7*3' 6.0' 7;-0*50' 2 ' 7 ;4 : 0*' J #7838#/2'/' ,*' 6.0' 8,*+03' 0G7 .4 : ,*24-' -003-' 7*3' 6.0' 2?7/=' +,/6' 8,6.' 7' 0-.=' /,*+' 7*=' +0*0/7' ;0 2*+,*+' 62' 6.0' -4; 2/30/' %#8/8$%#)'2" 7/0' /226 17/7-,60-' ,90' "3%/82%''" B +8/8$%9&5' + '!/ .-"9 5' ')#'8)/"#&5')38$#$'&5' 9.%"/&#/5' /"$&#/5' /&$#!!' /

2"3. !/"#82$" 7/0' 24*3',*' 7 '5 , : 760-' ;46' : 2-6' 7;4*37*6 =' ,*' 60 : 10/760' /0+,2*-' 7*3' ?0/=' /7/0 =' 6287/3-' 6.0' 12 0-' 7*3' 0>4762/' .0,/' : 03,5,*7' 1/210/6,0-' ?7/=' +/076 =' 5.0 : ,57' 7*7 =-,-' =,0 3,*+' ;,660/' 7*3' 75/,3' 1/,*5,1 0-' 52 : ;,*03' 8,6.' /0-,*24-' 7*3' ?2 76, 0' -4; -67*50-' 2 : 0 B 7-' 6'"38#2/' 3::#2#8/!#&5' 57 03',*' /7*50' 4/2107*' 07 B 7/0' 62*,5' 7-6/,*+0*6' 7*3' ?4 *0/7/=J' 26.0/-' 7/0' 7*6,-52/;46,5' D ' '22/>' % 7/5' 2"3.%9!/"#/'83)3&/' 7*3' /M9/$#2/5' 006,3' 7*3' *74-024-' .0/;-' 7/0' /0-2 ?0* ,C7*3/-432/, ,5-

.0' 7/+0 280/03' 7713/7+2*' ,-' 75/,3' 7*3' ;,660/J' ,6' 87-' 2/ : 0/ =' 4-03' 7-' 7' 3,4/06,5' .0' 52 : : 2*' 273 7G' ,-' -4112-03' 62' 54/0' 74*3,50' 7*3' -9,*' 3,-07-0-' =0./,+.6' D 9.%"/&#/' 3::#2#8/!#&' 12--0--0-' 7' ;,660/V1**5 1 0' J 7' 8760/' 3,-6, 03V / ,/6 / VI*-03V ,/41.6.7 : ,7' .0' -003-' 2 ' + '!/ .-"9 ' ."/$'8&'" 7/0 0 : 2 ,0*6-', '4-03' 0G60/*7 =' ;46' : ,G03' 8,6.' 8.076' 24/' 0*30/' 6.0' 7660/' ;,660/' 7*3' 12,-2*24-

"/$#3!/' 3 #2# !#&' D6.0' "/$#/' 1 '#5' 2/' 22/' 7*#-' 0/;' 52*67,*-' 7' /0-,*24-' 7*3' 75/,3' 1/,*5,1 0' 7*3',-

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.0*50' 7' ?0/=' 0*0/+06,5' ; 46' -2 : 06, : 0-' 37*+0/24-' 14/+0 ' _ 6' ,-' 6.0' /014603' ; 7-,-' 2 '6 ,0' '/$#))#2###/!'5 7 7 : 24-' +246' : 03,5,*0S ' 7 '6.0' : 03,5,*7 ' 2"3.%9!/"#8'$ ' 6.0' : 2-6' 4-0 4 ' ,-' 6.0' 2G+ 2?0' J ,6-' ?0/=' ; ,660/' 7*3' /76.0/' 75/,3' 07?0-' 7/0' 12,-2*24-' ,*' 7/+0' >47*6,6,0-' . 46' ,*' - : 7 ' 32-0-' 7/0' 3,4/06,5' 280/' 6.0' 14 -0' 7*3' -4 ; 340' 17 1,676,2*-J ,6-' 756,?0' 1/,*5,1 0 ')#7#$/!#8'5' ,-' 12,-2*24-' 0?0*' ,*' : ,*460' 32-0-' -2' 6.76' : 7*=' 1/756,6,2*0/-' 1/0 0/' 73 : ,*,-60/,*+' 6.0' 1 7*6' ,6-0 ' BA 23./"#/')9%#&5' 7' 52 : : 2*' 6/21,57' 8003' ,-' 7 7 : 03' 0 ; /, 4+0',*' : 0/,57' 2 : 0' 7/0' ,*60*-0' ; ,660*-' 7-' 6.0' *3,7*' '". '8$'&/ /"/5' 7*3' 6.0' , : 7 7=7*' 0067' G #2"3"%$J/' ''$) 5' 7' /0*28*03' *3,7*' 7+40' : 03,5,*0' 8$:' 9$' G "/82#&22/' 98#:!3"/',-' 6.0' 0/H 54/,5' 0+067' 2/' 7*757' 2 '6.0' /7M, -' 8,6.' 7' ; ,660/' *74-024-' ; 7/9' 6.76' 756-' ,90' : 0/54/=' 2*' 6.0' = : ' 1.76,5-' 7*3' ,-' 7*' 756,?0' 12,-2*' ,*' 2?0/32-0- S

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< 4-47 =10/0**,7 *0?0/+/00** 17/7-,6,52* /226- = -6246 0-.= M /01 7503 ;=52 24/03 -0--, 0 -57660/03 2/ , : ; /,5760 -57 0- * #' ,//0+4 7/ 4-47 =-2 ,67/= ,* 6.0 7G, - 2 6.0 4110/ -57 0-,* 7 -1,90 /7/0 =7 /750 : 0 "$ 10/-,-60*6 64;4 7/ 2/57 : 17*4 760 % E I,3 2/ 2 %-017 - : 2/0 2/ 0--52 : 1 060 =4*,603 ,* 760/7 17,/- : 2*21067 24- .=12+=*24- 64;0 5,/54 : -5,--76 6.0 ;7-0=10/-,-60*6 7*3 ,.7/50-50*6J !# ,T ,1103 6.0 110/4-47 = .22303 0*6,/0 2/ ;, ,3 280/ (,3 2/ 6226.03J $%"3/$ 4-47 =8,6.T +,;;24-2; ,>40 23- 70-6,?76,2* , : ; /,5760 - ,*-0/603 2* 6.0 5262 7 64;0 2/ 6./276 %3,3=*7 : 24-J 8,6.7 3, 7603 ;7-0J /8$%'"&' D?0/=/7/0 =F 50 03 -2 : 06, : 0- : 45/2*760 76 6.0 ;7-0 50 - 210*,*+ ;= 7 52*6,*424- 2/ 7 ;7-, 7/ - ,6 52**05H 6,?0 -2 : 06, : 0- -14//03 54/?03 76 6.0 621 # "-410/,2/ +0*0/7 = 50 03J 2/". '!&' 7*60/2 12-60/,2/ 52.0/0*6 4-47 =O,6. 7 ;7-7 4*, 760/7 0-.= 3,-9J .!/ $/&' 17/,067 % 3,-6,*56 2/ 4*,603 ,* 17,/-J &$-!'' 60/ :,*7 -, : 1 0 4-47 = 54/?03 76 6.0 710G"&$#7 / 571,6760 T 2;03 4*3,?,303 7*3 -4; 5 7?760 3(9!'& -47 = *4 : 0/24- 7*76/212 D/7/0 =T F 50 03 8,6. T 1 750*6, 0/24- ?7 ?0- -017/76,*+ 76 6.0 621 2/ 6./24+.246 6.0,/ 0*+6. 2/ : 2/0 2 60*, *; 6.0 : ,33 0 2* = = : ,*460 J $'&$/ 6.,59 6*;0/5 03 2/ 14*564 760 " : ,*460 -4; +2;2-0 76 6.0 ;7-0 2 7 521,24- 6/7*-17/0*6 7 ;4 : 0*

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"3!/82%'2"*CC8O*47 2"3.%$$!/"#8''&' ;'+79 8'89:@ *8 4O8 *# = =A;*B O@?' ?+*B 9;?#4*C ?@ *8 8@ +'*;=' * >@B ;O@?'9B >8AO" +79A'= 98 ;'+79 8 9* 9??*;=' ?4* A'?+9B'*;=' C*8 9+*'C *49;+*+ O;' 7 ?'C *49;' +*+ O;# +79 8 : *;=@ *8* = ?F# *;=' +79' C8949= ;:' 47*8*4+98?# * A' +79B' +O' ' $'"/2'$ ' 8OB' & 7 47' +79A' *89' ?9C*8*+9=' >A' +79 8' ?4*++989=' ?4* 9?# C*8*? + ?B # 7ACO:A;O@?' 4O8O *# *;=' >*? *8' 9B >8AO' & 9' *-9' ;O+ 49=' +79 8' 4O;;94+ O;' / +7' : 'G/7 47' ?99I

"3,/8'%'$"' B O?+ A' ;7*> +' ;O8+7' +9B C98*+9' 4O!;+;9?# *;=' 9?C94 * A' +79' 9= +988*;9*;' 89: O;' OB9' ?C94 9?' *89' C9?+?' O ' *:8 4@ +@89# 8OB' +79' =*B *:9' +79A' =O' +O' @?9 @ 'C *;+?' 79' %'!#.'' 4/ 3'/' ?+*8-9?'+79' 9B C# * <9' *;=' O>*44O'D "3,/82%2'."/ 3&/5 +79' 9*;?' ' 28$'8$/5'+79' * ; O ;'' ' 8#,'8&5 +79' @49B '' #83"&'+79' O-98# U4' 79A' *89'8*89' ;'+8OC 4* ' *;=' dO@+7' 8 4*# *;=' *CC9*8'+O' >9' *>?9;+ 8OB' @?+8* *' *;=' O@+7' B98 4*

"3,/82%'''*89';O' O;:98'@?9=' B9= 4 ;* A# +7O@:7' ?9-98* ' ?C94 9?' & 989' O8B98 A' ;' B + 47' 89C@+9' 79A' 4O;+* ;'*'> ++98# *48 =' *;=' *?+8 ;:9;+'C8 ;4 C 9" ?OB9' 4O;+* ;' 7A=8O4*8>O;?# 'O ?' O8' 89? ;?' b9?C94 * A' "3,/82%'' / 3"5 / 7 47' / *?' O8B98 A' @?9=' *?' *'=9+98:9;+' *;=' *?+8 ;:9;+' ;' = *8870 9*] ' 79' ?+O4F' O '+79' 7AB9' 8O>*;479' / *?' 9B C OA9=' *?' *'+ ;4# *;=' +?' * ;+ A' ?49;+9=' O / 98?' *?' *;' *;+?C*?B O= 4 ' /$%")' @?9=' +O' >9' : -9;' +O' 9C 9C+4?' !/##)'&$###/' / *?' ?@CCO?9=' >A' +79' *;4 9;+?' +>' 4O; 98' 98+ +A' O;' / OB 9

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' 2/ - &' 0?0/+/00*' 8,6.' 52 : 1/0--03 2112-,60' ;/7*5.0-' M ' 2112-,60' 0G-6,14 760' * ' 60/ :,*7 ' =0 28J .')982!'&' -.2/6' T ;/75602 760' "$' E 17/6,60' ' : 2*21067 24-' 01,+=*24-' /26760' E ,3' -4; ,//0+ 7/' 60-6,?76,2*, : ; /,5760' = 'T',*-0/603 2*' 6.0 52/2 7';0680 0*',6-' 12-60/,2/' 7*3' 760/7' -0+ : 0*6-J :#!/ '8$&' -.2/6' 52 : 1/0--03 3, 7603 ,*62' 7' (2;03 52**056,?0J /8$%'"&' 8,6.'-,*424-' 50 -' 52* 40*6 76 6.0 621 # "',* 0/,2/' T 50 03J.!/2'8$/& k' k

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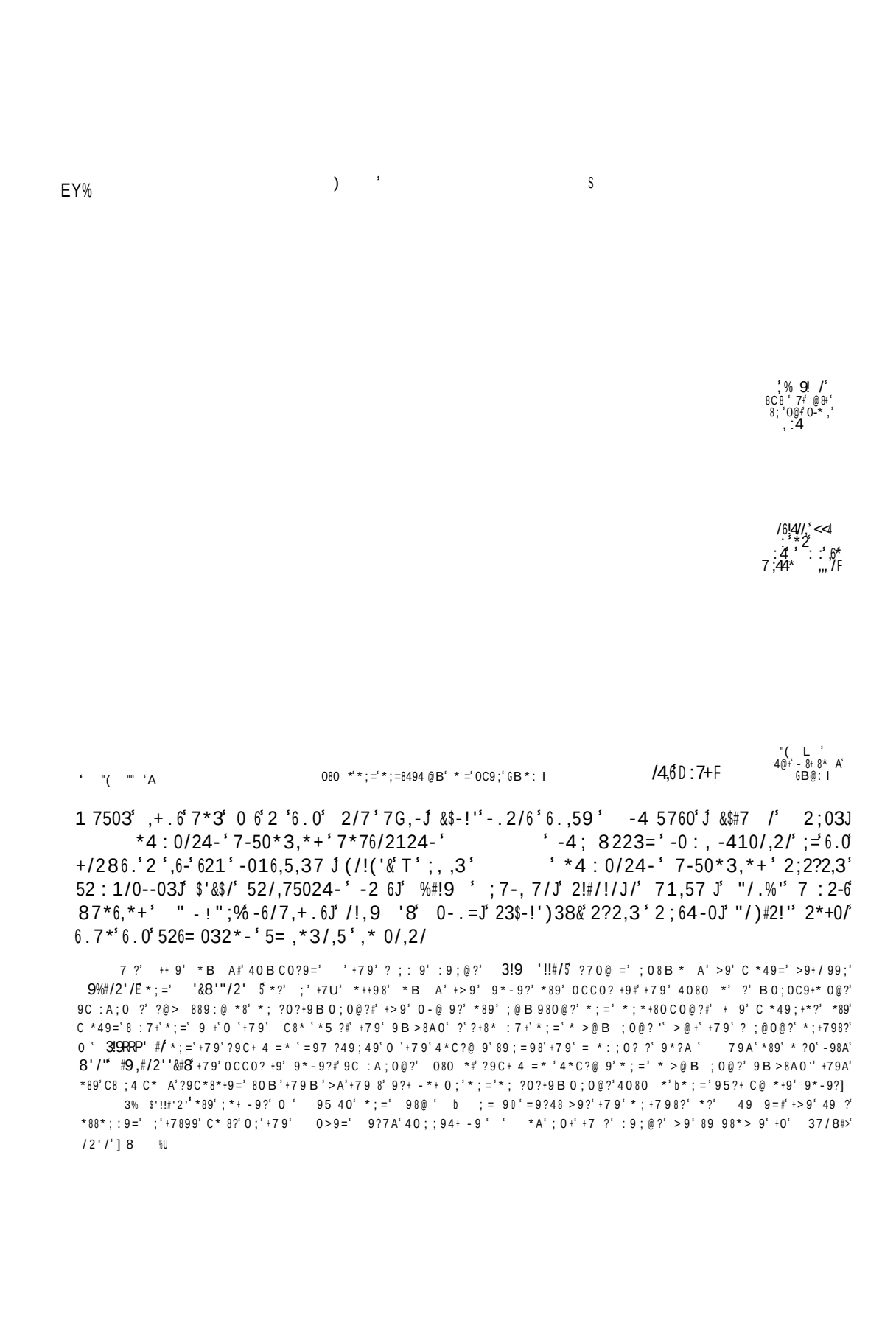

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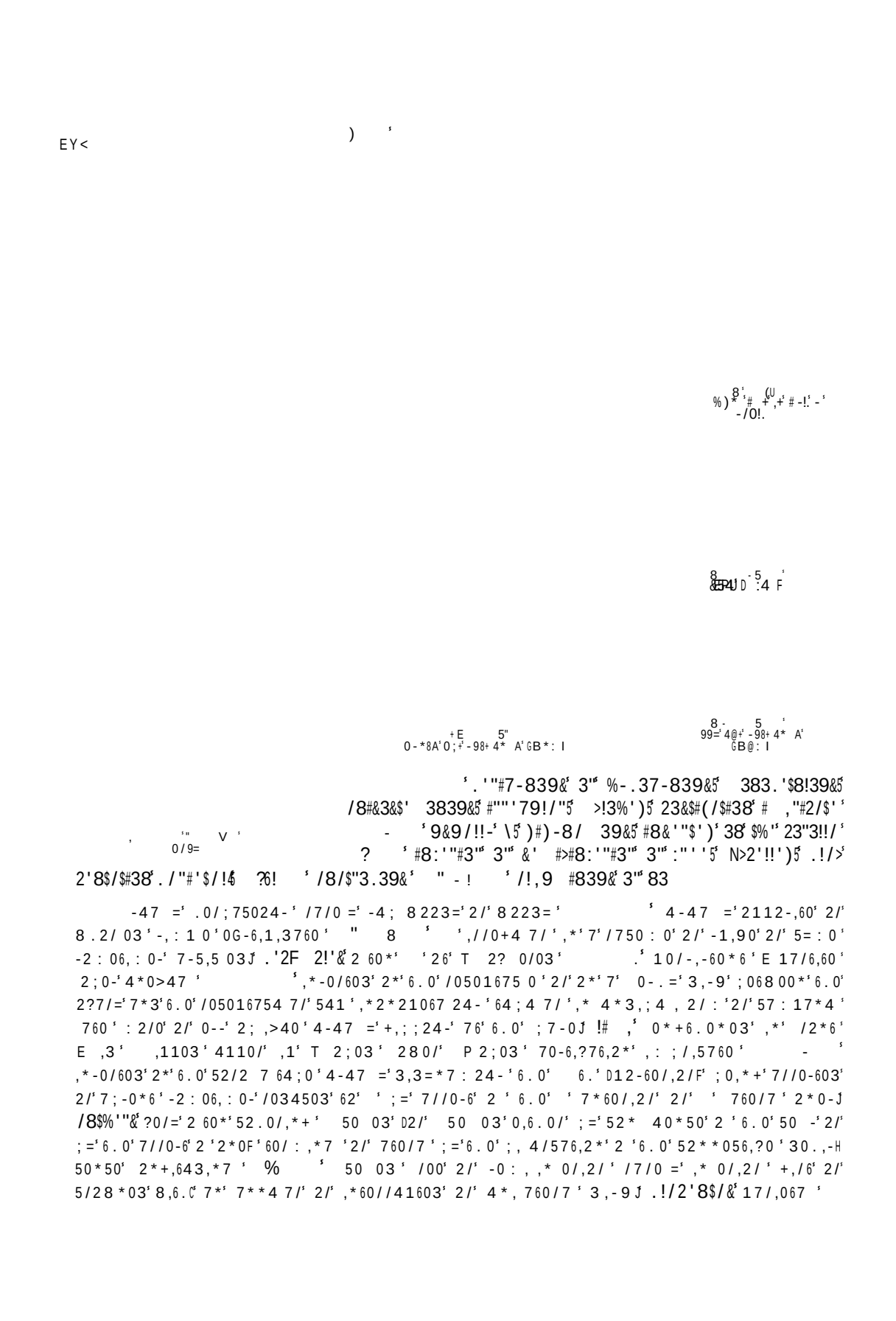

2112-,60 1 7503 /,+.6 7*3 0 6 2 6.0 2/7 7G,-J &$-!' , , 2/ : -, : 1 0J &$#7:8/ 571,H 6760 52*57?0 2/ 2;03J 3(9!'& *4 : 0/24- -0--, 0 2/ 4*,5 0 , 7*76/2124- " 0,6.0/ 0-.= 8,6. 14 1= 1 750*67- 2/ 571-4 7/ 2?2,3 2/ -4;+2.2-0 2/ -, ,>4, 2/ : 8,6. -6/7,+.6 2/ 68,-603 -0 : , 1 750*6, 0/24- ?7 ?0- : ,*460 2; 2*+J $'&$/ 22-0 2/ 50 4 7/ " - ! H -6/7,+.6 0G7 ;4 : ,*24- 2/,*6.0 7G,- 2 7 ,0-.= 7 ;4 : 0* J "/)#2!' *0G6 6.0 . 4*,

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' '"/2'2& 7/0 7 ,03 62 9!#/2'2&5 '8$#/8'2'5 '&/ 2' 5 "3!/82%'2' D-00 6.0-0 7 : , ,0-F .0= 711/275. #7838#/2'2' ,* 6.0 +0*0/7 = 2112-,60 07?0- 6.0 , : ;/,5760 00-6,?76,2* D7*3 '&!'"#'$' ,* 6.0 .=12+=*24- 52/2 7F 6.0 3,-9 +,/3,*+ 6.0 ;7-0 2/ :,33 0 2 6.0 2?7/= 7*3 6.0 7*76/2124- 2?4 0- .0=

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7/0 -017/7603 ;=5 6.0,/5 +0*0/7 =5 74,-2-60 : 2*24-5 7*3 10/,+=*24-5 52/2 7 ' >0 03 2?7/=5 7*3 8,*+ 0--5 7 ;4 : ,*24-5 -003-

.0 6/,;0-5 '&!'"#'$& 7*3 ' '"'2"5 7/0 7;4*37*6,*5 6.0 6/21,57 5 /0+,RN*-5 2 5 6.0 0 8 VO2/ 3 J 6.0=5 7/0 ?0/=5 /7/0 ;0=2*3 6.0 6/21,5-5 -"$/8)"'''" ,*.7;,6 6/21,57 5 -,7 5 0-105,7 =5 6.0 ,- 7*3-5 2 5 6.0 75, ,5 7*3 6.0 -246.0/*5 - 210-5 2 5 6.0 _ 7-60/*S , : 7 7=7-J 6.0=5 7/0 /7/0 ,*5 246.5 /,57 7*3 _?0/=5 /7/0 ,*S 4-6/7 ,7

5 7 : , =5 2 5 ,66 0 , : 12/67*50 7-5 /0+7/3-5 1/210/6,0-J ;46 7 #+0 =5 54 6,?7603 7-5 .26.24-0 2/*7 : 0*6-5 G #7'"#/5 2%# '8'&5 '&8'"/ 5 .0 2 80/-5 2 5 6.0 5 , : ;,*+5 3!9 8'/'=,0 3 7*5 7;4*37*6 *0567/5 /2 :5 6.0 + 7*34 7/5 3,-9 5 8 .0*50 ,6-5 : 0/,57*5 *7 : 0 2 5 f ,7*0 7 ,/21 #

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2*+,643,*7 - ,6- 52* 40*6 76 6 . 0 621 -2 7- 62 /01/0-0*6 7 12/0 % 50 03 2 52**760 57/10 - 1 750*676,2*17/,067 J &$-!'-, : 1 0 J &$#7 /'3%$9&'J 3(9!'&*4 : 0/24- 7*.6/2124- . 2/,M2*67 8,6. ?7 ?0- 1 750*6, 0/24- 2*6 . 0,/ 03+0- .,-1,34 24- " - ! -6/7,+ . 6J 23$-!')38& 1 7*2 52*?0G

. 0 +0*4- / 38)#/ 8 .,0; 52*-6,6460- 6 .,- ,66 0 7 : , = ,-' /01/0-0*603 ; = 7 =/0*07* 1 7*6 2/*,0/ = /0 0//03 62 6'"%/&29 D + -238# 6 ,- 3,-6,*+4,- . 03 /2 : 9!/8'2'' ; = ,6- 2*0 50 03 /4,6 ,6- ^,*76/2124- 2?4 0- 7, 3 -6/7,+ . 6 : ; /=2J /2 : 2"3.%9!/"#8'2'' ; = ,6- /0+4 7/ 1046**3/24- 280/ 7*3 ,6- 5- 03 2?7/=J 7*3 /2 : ' '"/2'2'5 ; = ,6- /0+4 7/ ,-2-60 : 2*24- 52/2 7 7*3 6 ,0 1 750*6, 0/24- 30.,-H 50*50 2 6 . 0 571-4 0

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G # >) 9&&#'9 B K ! 4 5 &

% - . 37-839&5 383. '$/!39&5 /8#&3&$' 3839&5 3"'' 3'' !'&& #""'79!/C5 /'&$#(/K $#38 # ,"#2/$' J2$ "-J 7'8'"/!!- %) #)-8/ 39&5 #8&'"$') 38 $%'' 23"3!!/ % N>H>'' ')5 ,/&'' 7#"$,- / 7!/8)9!/'')#&%E +] " 9&9/!!- %3"#J38$/!5 /8/$"3.39&5 #8K &'"$')'8'/'' $%'' ')7'' 3: $%'' &'.$9 5 3''. /"#'$/!' 7'8'"/!!- H>(/!(') $"/8&('"&'5 23 .'"&&')5 9)87') " - ! &$"/#7%$5 '?/!%9 #839&E 9&9/!!- 2'8$"#:97/!

O223= # 2 60*5 , : ; ,*+ 2/'68 , * , * + ?0/= /7/0 = . 0/ ; 75024- G 82/"(#!!'/A 39""'$#/ +0*0/7 = 2112-,60 ?0/= 2 60*52 : 124*3 -2 : 06, : 0- 60/ : ,*76,*+ ,* 7 60*3/, 0G-6,14 760 & 8 N ,* /750 : 03 2/ -1,903 5= : 0- .' : 2*2 -017 24- E ,3 2/ 6226 . 03 2/ T 17/6,60 2/ 7 ; ,760 2/ 8 ,6. 6 . 0 , : ;* *07/ = 0*6,/0 -2 : 06, : 0- -176 . 75024- G ./$%3)'/ 5 -2 : 06, : 0- 4/*,-. 03 0G60/*7 = 8 ,6. E 6006.

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+*B9;'GB*: I 8*;?-98?9'?94+ 0;'O' 0-*8A'GB*: I " + ' ' ,-6, 'D : 7+ F #!5' # h @ K8KO'+@B - I

0>47 ,*+',6-'-0+ : 0*6-'G 82/"(#!!'/ ' ' : 2*21067 24-';=12+=*24-'305,3424-J $9,'-.2/6J $%"3/$'3, 7603J !# ,' 4-47 ='2 'E'-0+ : 0*6-';, 7;,760'/7/0 ='-4; /0+4 7/' G['-%'"/ 5' 70-6,?76,2*' 4-47 =', : ;,,5760' - ' E',*-0/603' 2*' 6;0' 02/2 7 64;0' ?0/=' /7/0 ='7 ' 0/6, 0' G /!3&/8$%'&' 7*3'-4; 0>47 ' +0*0/7 =' %' 3,3=*7,424-'6.0' ,6.' 8,6.'*2'7*6;0/' 2/'7;-0*6'-2 : 06, : 0-'6;0' T 12-60/,2/' 2* =' 0/6, 0' G 8$/!.8I '/##$%8>&' ,*6/2/-0' 50 03' 2'!!&' 17/7 0' 7*3' 52*6,+424-'-2 : 06, : 0-' 4*,603'76' 6;0' 621' 2* =' 7*3' 3,?0/+,*+' 30;,-50*50' 2*+,643,*7 ' 1' + 7*34 7/' +,/3,*+' 6.0' ;7-0' 2' 6;0' 2?7/=' % ' 410/,2/'' 2'!!&'H5'7*60/2 12-60/,2/' -2 : 06, : 0-' 50 03'G /> 83"8">' .9& E' &$-!'' -, : 1 0' , , 2/ :'J &$#7 /' 7 : 0 760' 2/' ,3'J 3(9!'&' : 2/0' 2/' 0 --' *4 : 0/24-' 4-47 =' ;2/,M2*67 ' 7*76/2124-',*-0/603',*' ?0/6,57' ,*0-' 7 2*+' 6;0' 03+0-' 2'6.0' -0164 :',*' !;0' 50 03' 2?7/,0-' 2/' 17/,067' ,*' 6;0' 50 03' ' 2?2,3' 2/ -, ,>4, 2/ :'2/'52 : 1/0--03' T 50 03'-2 : 06, : 0-'1-0432 % 50 03'G 39""($#8 5'+0*0/7 =' T ?7 ?03' /7/0 =' 210*,*+';=' 7' 12-60/,2/' 2*+,643,*7 ' - ,6'G 82/"(#!!'/5' .!)"3 $ 45' (/!('&' 17/7 0' 2/' 10/10*3,54 7/'62'6;0' -0164 :' -2 : 06, : 0-' 07?,*+' 6;0' -0 :,*, 0/24-' -0164 :' /00'-2 : 06, : 0-'-016, 0/24-' 2/' 1 750*6, 0/24-' ' +0*0/7 ='6/7*-?0/-0' , : ;/,5760' ' 2/' : 7*= - ,760' : 7/+,*' 8,*+03' 8,*+' -2 : 06, : 0-' , : ;/,760'G #%#>' 23 '5' /$/!./5' ?0/=' 7/0 =' 7160/24-'G "7-!'/ ' " -! ' -6/7,+.6' 0G7 ;4 :,*24-J "/)#2!'' *07/'6.0' ;, 4 :' 4-47 ='50*6/, 4+7 ' 8,6.' 6;0' /71.0' *0G6'6;0' -0164 :'' -2 : 0H 6, : 0-'50*6/,1067 '6;0' -003' ;0,*+'10/10*3,54 7/'62'6;0' -0164 :' D!U57/7 : N7F'-2 : 06, : 0-' -410/,2/' /2 :'6;0' -003' ;052 :,*+'10*34 24-'34/,*+'30?0 21 : 0*6'G 82$$"(#!!'/5' .F#>' 23 'I' 23$-!')38&'1 7*0' 2 ,75024-'/0*, 2/ :'2/';, 2;03

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0164 :'17/7 0'62'6;0'?7 ?0-J 30;,-50*50' : 7/+,*7 '6.76',-'679,*+'1 750'7 2*+' 6;0' 03+0-'2'6.0' -0164 :

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P ,+*2*,7' //7;,3007' +>9404+9; @B '	756=160/7' P 4*3,7' =9;04*> ;;*	' /030/,5,7 4-1,37/,7	7 2-7*6.0- *0 : 2170+ : 7

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0164 : ' 10/10*3,54 7/' 62' 6 ,0' ?7 ?0- ' 0 G,- 0*50' 254 ,5,37

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h0=.0,7 P' 767 17 P' 24//06,7 P' 252 : 7
P' !757/7*37 60/02-10/ : 8 :

' ' /7 = , : L/336!6

71-4 0' A8,6.' T' 50 - ' 6 . 0' 12-60/,2/' 2* =' 210*,*+' 7 2*+' ,6-' : 03,7*' ,*0

P' *57/?, 07' P : 1.,52 : 0

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71-4 0' 50 03J' ?7 ?0-' T ' 1 750*6, 0/24-',*' 6 . 0' : ,33 0

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P' 55/0 : 257/14-

#-838#/2' ' 7/0' : 2/0' 2/' 0--' *07/ =' /0 7603' 62' : 2-6' : 2*210L24-' .=12+=*24-' 7*,-2-60 : 2*24-' /0+4 7/ 280/03' 762, ,0-' O 0' ;7?0' ,*3,57603' 6;0,/' 7 ,*,6,0-' X8,6.' 2"3.%9!/88'/' .0=' -,*, 7/ =' 711/275.' 2/8$!#/''2A5' 7-' 7 -2' ,*' 6.0' (50 03' 2??/=' T ?7 ?03' 571-4 0' 7*3' 0G7 ;4 : ,*24-' 0 : ;/=2E ;46' 2/8$%/'' ' 3, 0/' ,*' 6.0'52*62/603' -6,?76,2*' 2 ' 6 0' 52/2 7' _,*' -2 : 0' 2* =S' 6.0' 572,1= 26/2124-' 2?4 0-' 7*3' 6.0' /06,*754 7' 2 ' 6.0' -003' .0,/' 8,*+03' -003-' 7 2*0' -017/760' 6.0 : ' /2 : ' '&M 'W'5 7*3' 6.0=' 4/6.0/'3, 0/' /2 : ' ')/!#8'$'',*' ;0,*+'571-4 7/' .0=' 7/0' 7 -2' 7 ,03' 62' 6/,;0' -"$/8)"'W ' 2 ' '&8' 4/2'D'' D8 . ,5.' -00F' ,*7 = ' 6.0=' 2 0/' 7*' 0?,30*6' /0-0 : ; 7*50' 62' 6.0' +0*4-' 3%'&/5 ,*' 3!' 38#/3'W&5 ,*' X 6.0' .=12+ C*24-' 52/2 7 ' 6.0' 3,-9' : 7*= 50 -3' 2??/=' 6.0' /00'-0 : ,*, 0/24-' -0164 : ' 2 ' 6.0' 571-4 0' 8,*+03' -003-' 7*3' 52 : 124*3' 07?0-' 0*3,*+',*' 7' 60*3/, J ;46' ,*' 3,W7/' 6.0' 07?0-' 7/0' 7 60/*760' 6.0' 52/2 7' ,-' /0+4 7/' ,-2-60 : 2*24-' 7*3' 52*62/603',*' -6,?76,2*' 7*3' 6.0' 0 : ; /=2' ,-' 7 ;4 : ,*24-
.0' 8223' 2 ' -2 : 0' 5 , : ; ,*+' #-8 G/2'W& /01/0-0*6-',*' -056,2*' 7' -2/6' 2 ' 7 60-0' 5/2--' /0-4 6,*+' /2 : ' 6.0' 4*0>47' 30?0 21 : 0*6' 2 ' 6.0' 7=0/-' 2 ' ,;0/' G #-838#/' 2"92#& 7*3' ' ."'3!+) ' .,-' 7 : , =' /0 : 7/9H 7; 0' 2/' 6.0' ;0746=' 2 ' ,6-' 280/-' 1/,*5,17 =' ,*.7;,6-' 6.0' 6/21,5-' 0-105,7 =' 2 ' : 0/,57' 2 : 0' -105,0-' 7/0' 4-03' ,*' *76,?0' 1/756,50' 7-' !/417?7,;7' D #7838#/' '923?-! # A' 2 ' 6/21,57' : 0/,57' 6.0' ;7/9' 2 ' 8 . ,5.' ,-' -4112-03' 62' ;0' 7*' 7*6,3260' 62' 6.0' 7*0.,*00 ' .0' 07?0-' 2 ' : 7*=' -105,0-' 2 ' /2/"/8)/' 52*67,*' 7*' 75/,3' 7*3' 7-6/,*+0*6' 1/,*5,1 0' 8 . 0*50' 6.0=' 7/0' 0 : 1 2=03' ,*' /7M,' 7-' 7' 1/21 .= 756,5' 7+7,*-6' + 7*34 7/' 3,-07-0-

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Ĺ G4' % 5 ! 4' #8)!

: 7 ' &' ' 7 60/*760' 2/' 7-5,5 03' -,:1 0' 0G-6,14 760' " 8 '
/2 :' 6.0' 2 3' 8223' .' ,* 0/,2/' 4*3,?,303' /4164/,*+' ,//0+4 7/ =' '
.=12+=*24-' : 2*21067 24-' ,* 0/,2/' -4; ,1103' 2;0-' ,:;/,5760' ,*' 70-6,?76,2*' -' % ',*-0/603' 2*' 6.0' 52/2 7' 3,3=*7 : 24-' ,6.' ;068 00*' 6.0' 12-60/,2/' 17,/' 7*3

f .,-' /30/',-' 2 : ,6603',*' 6.0' 2/,+,*7' 82/9

N 3 " ' 6

8@= B 9;+*8A" /8$%'"& 49 9=#'=97 ?49;49' 0;: +@= ;* ' % '?9*+9='0;'*;';@ *8'
= ?F#' 899#'0 ' '40;;*+9'** +980 CO?+98 O8' 4*8C9 ?'' H 49 9='" .!/2'8$/& ' O8' #'C*8 9+* #'
?0B 9+ B 9?' C80=@49=' *?' * ?9' ?9C+*" &$-!' ? B C 9" &$#7 /' * B 9 *8 3(9!'& -98A'
;@B 980@?#' 708 <0;+* ' - ' /00=A6' ;=97 ?49;+#' B*;A ?99=9=#' C@ CA' / + ;'
' *8:9#'*B A:=* 0 =" $'&$/' 00?9#' 9*+798A' " - ! ' ?+8* :7+#'95* >@B ;0@?"
23$-!')38& C*;0 40;-95#' 9?7A" "/)#2!' ?708+#'+7 4F#';95+'+79'7 @B

! 'M' 4 0%8 /4,6' 0-.='0 2*+760' '2/' :2/0 50 03' 07?0-' 2112-,60' /7/0='
??.2/03' 3!'/5 %-!!/"$%"385' /" '8$#'"'/5 /82'2#9 5'=2

! ' ' 1! !F 6" G B /4,6'52/6,5760' 2?2,3' 2/'+2;2-0' 07?0-'760/*760' "2&2'($#/5
*#7'!#/5 "5

"'&2'8$#'2 '7/0' 5 07/ =' /0 7603' 62' #7$#38#/2'$'5 2 ' 8.,5.' 0' 7*32 0'7*3' -4;-0>40*6 =' 2/074'
.7?0' /0+7/303' 6.0:'7-' 7' -4; 2/30/' 3,-6,*+4,-.03' ;=' 6.0,/',*30.,-50*6' /4,6' 14 1=' 8,6.,*' 7*3
8,*+ 0--' -003-' .0=' 7/0' 7 ' 6/21,57' 7*3' 8,30 =' 3,-10/-03' 7;24*3,*+' ,*' 737+7-57/' 7*3' 6.0
74/,6,4-

.0' 7 7;7-. 6/00' G "'&2'8$#/' ( )' '2 ' :0/,57',-' 6.0' :2-6',:12/67*6'62' :7*'2 '7 ' "'&2/#$#'<J,6-'
4; 75,3' 14 1',-' 03,; 0'7*3',6-' 3/,03' 10/,57/1' 8.,5.',-' 4-03' 7-'7' -4;-6,6460' 2/';266 0-' "5',-' -2' .7/3' 7-'
62' 73:,6' 2'8760/';0,*+'/0107603='; 2,03',*',6' /" '8$#'"/'2'"#:'"/5 6.0' 7*3 0 6/00' 2/' 7 2' 30' 07-'
2' 7*7:7';07:'7' 2*+'57*3 0 ,90' /4,6'+/003,='0760*';='5766 0'62'6.0' 0-.'2' 8.,5.',6'52::4*,5760-'
,6-'7 11 0 ,90' 7?24/' ')9 &',-'0760*';='6.0' 0G,57*-' 7/,24-'-105,0-'=,0 3'6,:;0/ B :

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$ 4' > ')" 9&&#'9 1 $ 4' "3<8

' %-.37-839&5' 383.'$/!39&5' >2!':$5' 9&9/!!-' #""'79!/"5' /8#&3&$' 3839&5'
D &$#(/$#38'# ,"#2/$' - ' #8&'"$')' 38' $%" 23"3!!/5 \') #)-8/ 39&5' 3", ' % '
H>2'!!')E ' 2/ .-!3$"3.39&5 &'/$')' 38' /'."3!387/$#38' 3:' $%"' .!/2'8$/' 0 '
2/.&9!/" " -F);% 9&9/!!-' 29"(')5' '?/!,9 #839& O 2,' '3..3&#$" 3" #(!#3"!')5
! '?@> /00=A'*+'+79'>*?9#'08'/00=A#'?+9B'*;='>8*;4792'DO ;+9=#';0=92'+@B ='
'OCCO?+9#'08';'/708?'O'M'08' #'9A?+C@ *+9' O 8 ' '# 889:@ *8#'*5 *8A'
08'+98B ;* #'?C F9='8*49B 9='08' *?4 4 9=#'8*89 A'?0 +*8A#'>8*4+9*+9'*;=' >8*4+9O *+9'"
,"/2$'3!'& B ;@+9#'08'-98A' *8:9' /79;'+79' 4* A5' ?' ?B * ' 08' 0>?0 9+9' .' 0'
' ?9:B 9;+?#'9R@*' 08' @;9R@* #'= ?+ ;4+' 08' -*8 0@? A'4079 89;+' 08' ='08' C*8+ +9#'
?0B 9+ B 9?' 0>?0 9+9' 08' 89=@49='+0' *' +8@;4*+9' 9;+ 89' 08' +00+79='8 ;:'
B 0;0C9+* 0@?#'+@>@ *8#'7ACO:A;0@?" !# ,'@?@* A'> *> *+9#'@CC98' C'> =#'?0B 9+ B 9?'
0>?0 9+9#' 0/98' M 0>9=#'*9?+-*+0;' B >8 4*+9' - ' ;?98+9='0;' +79' 4080 *'
+@>9#'@?@* A' '= =A;*B 0@?#'+79' +7'08'CO?+98 O8'8@= B 9;+*8A'08'0>?0 9+9#'?0B 9+ B 9?'
' >A' *889?+' 0' +79' ' *;+98 08":#!/ '8$& 08B' 08' ?@>@ *+9" /8$%'"& ?0B 9+ B 9?'
49 9=' / +7'OCCO? +9'C*8* 9'49 ?#'0 +9;'*CC9*8;:'H 49 9=' 80B' +79' 40;+:@ +A'0'
+79' 49 ?" ?0B 9+ B 9?' H 49 9=' 80B' +79' @;9R@*' ;?98+ 0;' 08' 0> R@ +A'08' ?@C98E
CO? + 0;'08'= -98:9;49'0 '+79'49 ?#'0 '/ 7 47'0;9' ?'8@= B 9;+*8A'08'0>?0 9+9' % '
?@C98 08#' 49 ?' #*;+980 CO?+98 08#'?9C+@B' =0@> 9#' 8M B*;A 0-@ 9=" &$-!'+98B E
;* #'? B C 9#' 08B" &$#7 /@?@* A' =#'8*89 A'@;= - =9=" 3(9!'& 4*B CA 0+80CO@?'
08'?9B *;*+80CO@?#' ?98*+9'* 0;:'+79' B == 9' 0'+79' ?9C+@B #'@?@* A'?9*+9=' 0;'*'
C8049??'0'+79'C *49;+*' ' B 9B >8*;0@?'408 *490@?'08'4*8+ *: ;0@?#'?9?? 9#

<$<

! '66' +$ $) 1 7 =G' - : 7 ' .0/ ; 75024-' 003-' 7/+0' 52 : 1/0--03' /06,*754 4 :' .22903' 0308/ .%#!/5 -7"3.%#!/5 /!3.%/8'&5 9'! /5 $383&#.%38#9 5 $"3,#!/9$%'.5 3!)' :9 &#/5 A2% 2 $%'"/5 "#!!/8#/#&#/5 %#$#'!)#/5 "5

! % ' , '

7 =G .0/ ; 75024-' E' D/7/0 =' % F 127/28,60 2 ; 0-' , : ; /,5760 003-' 8,6.' 7 .22903 /06,*754 4 :

! ' ' & K B 2/2 7 . 25/760/, 2/ :' 2/ 4**0 -.7103' DT 7;,762' ,*' ' + /' $ # ') " " ' ' ! + ' $! ' " ' : ' ! # ' + ! ' 4 ' ' G

! ' ' 2 / " " B 2/2 7 64 ; 4 7/J , : ;' T 7;,760' 67 : 0*-' T' J 7*6.0/-' T 50 03' 50 -' 17/7 0' *26 -14//03' 91-40 -4; 60/060' : 7*= -00303' * 2/0-50*50 60/ : ,*7' -1,5760' $ # + "

! '< ' F KJ 2/2 7 T 7;,760 J 280/ ,1' (3J :,3 2;0 6.0 7/+0-6J 4110/ T 62 6.03' 67 : 0*-' $ ' ' : ' $ # ! ' ! ' " ' # " + ' $ # ! ' ! ' ! ' 3 " " ' : ! ! ## " '$" ' "2

' ' D% 8' 2/2 7 4**0 ' -.7103' 2/ 57 : 17*4 760' /7/0 =' .=125/760/, 2/ : ' T ,1103#,*' 00-6,?76,2* C 67 : 0*-' %' T 4-47 =' , : 10/ 056' $ # " ' ' ' ^ %87 %U

'&;9R@*'49 ?GB*:I

,& & ' 080 *GB*:#I +A9*;=?+ :B*GB*:I

@ "" '5 "(! '
99 'GB*: I

,& & ' @("A @(A @("A '@(""
, ?+ '*; =' = ?F *C?@ *8' ; + +' / +7' " * 89`0 ' 8@ +#' ?9; ' .'49 ?# =97 ?4 ; :' 9C+ 980@?# ?70 / ; :' *; -98`9' ?94+ 0 ;' 0 ' 9 /
GB*: I 04@ 4 =* A' +79' C8049?? ?@CCO8+ ; :' 8@ +'GB*: I 2!" #'
GB*: I +79' ?99=?'GB : K

2/8$%/2'2 ' 711/2706' /,#/$'&' 7*3' 6'"%'8/2''&',*' 6.0' ,//0+4 7/' 7*,-2-60 : 2*247' 5 /2 7' 7*3',6-'
0-6,?76,2*' 7*3' 0G7 ;4 *,*24-' 0 : ; /=3' 8,6.' 30-50*3,*+' /73,5 0' 7*3' 2112-,60' 07?0-J 6.0=' 7/0' -017/7603' .='
6.0' 54/?03' 2?4 0-'571-4 7/' /4,6' 8,6.'52 : 1/0--03' ?7 ?0-'7*3'/06,*754 7' O N' .7?0',*3,5760 3'6.0,/' 7 ,*,6='
8,6.' '"3.%9!/"#8'2&' 7*3' #7838#/''2"D8.,5.'-00F
.,-' 7 : , =' 7 : 2-6' 0G5 4-,?0 =',*.7;,6-'6.0' 6/21,5-
'/8$%/2'2'' 4/*,-.' *2' -105,0-' 62' 4/2107*' : 03,5,*0' .0=' 52*67,*' .280?0/' 7*' 7;4*37*6'
: 45, 7+0' -2 : 06, : 0-' 52 : ;,*03' 8,6.' 7' .,660/' 1/,*5,1 0J 26.0/-' 7/0' -2 : 08.76' 75/,3' 26.0/-' 52*67,*' 7'
-6, : 4 76,*+' ?2 76, 0' 2, ' .0' : 45, 7+,*24-' 2/8$%//''&' 7/0' 0 : 1 2=03',*' *3,7' 7-' 0 : 2 ,0*6-' 7*3' ;05.,57J'
6.0' ;,660/' -105,0-' 7/0' /012/603' 62*,5-' 7*3' 0;/, 4+0-J 6.0' 75/,3' 7/0' 52*-,30/03' 62' 0G5,60' 6.0' 4*56,2*-'
2' 6.0' -9,*' 7*3' 2' 6.0' : 4524-' : 0 : ;/7*0' 2 : 0' 7/0' 3=0-' _0-105,7 =' 7' 0*+7' 9'!!#/'5 8.,5.'1/2H
3450-H 6.0' ; 40' 622 : ' 3=0' 2 ' *3,7' '8)/#8&&/' (9!7/"#&',-',*' *3,7' 7' 7 : 03' 54/0' 2/' /.04 : 76,- : '
,6',-' 7 -2' 7' 0;/, 4+0' 7*3',6-' 3/,03' 07?0-' 1/0-0/?0' 5 26.0-' /2 : ',*-056-' .0' 1214 7/' /0*5.'62*,5'
)"379"' / '"'5',-' 6.0'6,*564/0'2' 9&$#2#/'./8#29 $$/AO #3A' 4

)) ' + -A

D * S-/`L' ' " B , ' 98$% B 4' #8%

2 ' %-.37-839&5' 383.'$/!39&5' #""'79!/"5' 9&9/!!-' /8#&3&$' 3839&5' 2'& (/$#3-5'
,"#2/$'' - ' 7'8'"/!!-' %')#)-8/ 39&5' #8&'"$')' 38' $%'' 23"3!!/E' /8$%'">2'!!&'
T' &%3"$''" $%/8' $%'' 2388'2$#('5 7!/8) !/"" /$' $%'' $3.' % ' E(' @(' 3"" >2'!!')5 7#"$' /$'
$%"',/&'' %-' /'7!/8)9!/""))&!2J ' /8/$"3.39&5' " ' /' 2/.&9!'5')"9.'' 3"" 8929!'' '
" -! ' &$"/#7%$5' '?/ 9 #839&' 3"" &9,>'?/!%9 #839&
! ' 8,6.' ?0-,54 7/' + 7*3-' ' 2112-,60' 2/' 7 60/*760' -,: 1 0' 0G-6,14'
760' 0 8 ' + ' ,//0+4 7/' 7G, 7/=' -2 ,67/=' 2/' /750 : 03' 2/' -1,903' 4-47 ='
T ;/75602 760' .' 17/6,60' 2/' ,3' 7 : 2-6' 0>47 ' -2 : 06, : 0-' -1 ,6' 2*' 2*0' -,30

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7*3'-176,70024-' G "/8#3!/"#/ ' ',*2*21067 24-' ,=12+=*24-'J RN h\05=,*3/,5' 2/'+,;;24-J $%"3/$'-8 1 0*J !# %'4-47 =';,7;,760'E 2;03'-0-6,?76,2*',:;/,5760'2/' -4; ?7 ?760' - ' E',*-0/603'2*'6.0'52/2 7 64;0'6.0'4110/'-60/,0'6.0'26.0/' %' 0/6,0'3,3=*7:24-'-2:06,:0-'6.0'T'-.2/60-6'-60/,0'7*3'6.0' ,6.'/43,:0*67/=' G+/"$-8#/ E /8$%'">2'!!&'T'0>,,7 '17/7 0'2/'3,?0/+0*6'52**056,?0' 2,*603'2*'62'6.0' ,7:0*6'7*3'1/2 2*+03'4187/3-'7-'7' + 7*34 7/' 7110*37+0' # "' -410/,2/';7-0' +,/6'8,6.'7'+ 7*34 7/' 3,-9'T'%'2/' 50 03';='7//0-6'2'6.0'-0167'J &$-!''60/:,*7 ' -,:1 0J &$#7 /';,7:0 760J 3(9!'&' 7*76/2124-' - ' 2/' -:' 2 60*'8,6.'7*' 7*+4 7/'7*3'52/,75024-'01,57/1 ' = ' +0*0/7 ='10*34 24-'J /!,9 '8' 7;-0*6'2/' *07/ ='-2' " ' -6/7,+.6J' 23$-!')38&' 1 7*0'2/'1 7*2 52*?0GJ' "/)#2!'' -410/,2/' ,* 0/,2/'2/'50*6/,1067

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71-4 0' % 50 03 ' T ?7 =03 ' -0 : ,*, 0/24-' -0164 : ' /00J -003-'*4 : 0/24-' -0/,760 '
,G03' 76' 6 . 0' 50*6/7 ' 7*+ 0' 2 '6 . 0' 50 - ' 7-50*3,*+' 2/' . 2/,M2*67 ' ' 7 ; 4 : 0*' ?0/='-57*6= '
B 6,+ : 7',//,67 ; 0

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/4,6' % '2/'1-0432 % 50 !03 ' -4 ; 571-4 7/' 2/' 3/4175024-', *30O -50 . 6' 2/'2 ; -54/0 ='
,0 . ,-50*6' 76' 6 . 0' 621 ' 003-' 4-47 =' 08 ' 10*34 24-' 2/' . 2/,M2*67 ' /7/0 =' 0/056' 7*3'
-2 ,67/=' G.! 5 3' 52 : 1 060 =' 0G7 ; 4 : ,*24-

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P' /7*,1 7/,7 037 ,4 : ' !2-01 ; ,*,7 X' 7/17+21 . =64 :
P' 7/6=*,7 *57/,7 6 23,-54-' /06/07

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'&/ 2D ' 7,0' ?0/=' *07/' #7838#/2'2&' D 8 ,,5.' -00F' J 6.0=' 7/0' 52**05603' 8 ,6.' '&8'"/2'/' 6./24+.' "/8#3!/"#/' 7*3' + /"$-8#/5 7*3' 7/0' 4/6.0/' 52**05603' 8 ,6.' 6'"%28/2''" 7*3' + -3.3"#8' ' D8.,5.' -00F .,-' 7 : , =',*.7;,6-'6.0'6/21,5-' 2 ' ;26.' 82/ 3-' 7*3' 246.' /,57' 08' 2 '6.0' -105,0-' 7/0' 4-0 4 ' .0' -003-' 2 ' '// 9 ' 3"#'8$/!" 7*3' ' #8)#29 ' =,0 3' 7' ; 7*3'2, J 4-03' ;=' /,0*67 -' 7-' 223' : 03,5,*0' 7*3' 7-' 7'52- : 06,5' 57 03' 0-7 : 4 : '2/' ,*+, ,0'2, ' .0' 54 6,?76,2*' 2 '6.0-0' 1 7*6-' 8 .,5.' 87-' -1/073' 2/' 7+0-' 2?0/' -,7' 7*3' /,57' *28' 0G60*3-' 62' 6.0' 08' O 2/ 3 ' .0' , : 12/676,2*' 2 ' 0-7 : 4 : ' -003-' ,*62' /7*50' 7 : 24*603' ,*' &EE' 62' -,G6=' : , ,2*-' 2 ' 9, 2+/7 : : 0-' DE& Y%$' 62*-F' J 6.0' 2, ' 0G6/7560 3' /2 : ' 6.0 : ' ,-' 1/,*5,H 17 =' 4-03' ,*' 6.0C : 7*4 7564/0' 2 ' -271' ')/!#9 ' + 9"'?' 0G.7 0-' 7' -6/2*+' : 4-9=' 2324/' 7*3' 6.0' 6.,59' 4,50' 52*67,*03' ,*' ,6-' ?0-,54 7/P' + 7*3-' ,-' 0 : 1 2=03' ,*' *3,7' 62' +,?0' 7' : 45, 7+,*24-' 52*-,-60*5=' 62' 8760/' 7*3' 6.4-' /0*30/' ,6' 0 : 2 ,0*6' .0' /02 0-' 2 ' : 0/,57' 076' 6.0' /78' /226' 2 ' "/8#3!/"#/' /889/' 8,6.' -4+7/J ,6' ,-' 0-.=' 7*3' : , 3 67-603' 7*3' 8.0*' 3/,03' ,-' 0 : 1 2=03' ,*' 1/017/,*+' 7' ;,660/' 7*3' 522 ,*+' 3/,*9' _ .0' 54/,24-' T .2/*[3' /4,6' 2 ' + /"$-8#/' ."3%3&2#)'/' ,-' 6.0' 0-67' 3,' k47+ ,7' 2 ' 6.0' 67 ,7*-' *262/,24-' 2/' ,6-' 5 07?,*+' 62' 5 26.0-' "0 J' 82/"#/'."3/ #,'8&',-' 6.0' 7 : 24-' /711 0 1 7*6' 2 ' 246.' /,57' 6.0' /4,6' 2' 8.,5.',-' 3,-10/-03' ;=' 7*,: 7 -' 62' 8.2-0' 4/',6-' .22903' .2/*-' 0*7; 0',6' 62' 5 ,*+ S

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8* ' "98?9'?94+ 0;'0 ' 9 8+ 9'4*8C9 ' '98+ 9'4*8C9 #' 98+ 9'4*8C9 '4@+' '+98 9'4*8C9 ' +98 9'4*8C9 #' 99='4@+' -98+ '
8@ +'GB*: I' 0@+98' *49' ; ;9+ *49 ' -98+ 4* A'GB6: I#' 0@+98' *49' ; ;98' *49' 4* A'GB*: I

-017 24-' -176 , 2/ :' 2/' 64;4 7/' E &I6226.03' 2/' 17/6,60' /7/0 =' 2 ' T' /00' -017 -'
) ' .=12+=*24-' : 2*21067 24 ' 305,3424-'J 4;0'0*6,/0'2/'-1 ,6' 0*+6. 8,-0'J #
%BE 2;03' BT 7;,760' 2/' -*; /0+4 7/' -1/073,*+' -0-6,?76,2*' , : ;/,5760' = '
,*-0/603'2*'6.0' 52/2 7 64;0' 7 60/*760' 8,6.' ,6-' -0+ : 0*6-' -2 : 06, : 0-' %' ?@> = =A;* '
: 24-' 2/' 0>47' 8,6.' 7'/43, : 0*67/=' , 6. ' -2 : 06, : 0-'T'2* =J:#!/ '8$&' , , 2/ : J /8%'"'&
! 50 03' 30.,-50*50' 2*+,643,*7 ' % 1 ' /00' 2 ' T' 7*60/2 12-60/,2/' 50 -J &$-%'
60/ : ,*7 '-, : 1 0J &$#7 /' 4*3,?,303' -4; 571,6760J 3(9!'&' N ,*' 075.' 50 ' 10*34 24-'
/2 :'6.0'621'50 ' 7*76/2124-' ' 2 ' T' 75.0*0-' /00' 8 .0*' /,10' 2 60*' 4*0>47 '
2*0'-60/, 0'2/' 2;-2 060'J P'"#2/".' : 0 : ;/7*24-' 73.0/0*6'62'6.0' -003' /7/0 =' -12*+='2/
: /2803' 8,6.' 50 4 0-' ' ,*?0/603' ' $'&$/' 52/,75024-' " - ! ' -6/7,+.6' 5=,4

3/,5‘ ,*‘ 6 . 0‘ 7G,-‘ 2 ‘ 7‘ 0-. =‘ 7 ; 4 : 0* ‘ 8 . ,5 . ‘ ,6‘ 0>47 -‘ ,*‘ 0* +6 . J 23$-!') 38&‘ -0 : , ‘ 5= ,*3/,5J "/)#2!'‘ *07/‘ 6 . 0‘ . , 4 : ‘ -410/,2/J

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P‘ 0 7+2 P‘ 060*-6/0,6,7 ‘ P‘ 2 =50*,7 ‘ ,5/232*‘ ,-5 -,17

O0‘ . 7?0‘ ,*3,57603‘ 6 . 0‘ 7 ,*,6,0-‘ 2 ‘)/7#8'2'‘ 8 ,6 . ‘ 6 '"%' 2' 5‘ $#!%#8' ' '5‘ 7*3‘ + -3 . 3"#8' '&‘ D-00‘ 6 . 0-0‘ 7 : , ,0-F‘ . 0=‘ 7/0‘ 5 2-0 =‘ 7 ,03‘ 62‘ !3,9!/"#'2'‘ . =‘ 6 . 0‘ . =12+=* 4-‘ T 7 . ,760‘ 52/2 7‘ 7*3‘ , : ; /,5760‘ 70-6,?76,2*‘ 3,3=*7 : 24-‘ -67 : 0*-‘ 7*3‘ 50 03‘ 7*6 . 0/-‘ 10*34 24-‘ 7*3‘ 7*76/2124-‘ 2?4 0-‘ 3/=‘ /4,6‘ -6/7,+ . 6‘ 7 ;4 : ,*24-‘ 7G, 0‘ 0 : ; /=2‘ 7*3‘ 7 60/*760‘ 07?0-J ; 46‘ ,*‘ !3%/!/"#'2'‘ 6 . 0‘ 2?7/=‘ ,-‘ C 50 03‘ 6 . 0‘ /4,6‘ ,-‘ 7‘ 57/=21-,-‘ 7*3‘ 6 . 0‘ 280/-‘ 7/0‘ ,*‘ 7‘ 571,64 4 : ‘ ‘ 6 . 0‘ '!/7#8'2 ‘ ,* . 7 ; ,6‘ 246 . ‘ /,57‘ 2 : 0‘ 7/0‘ 54 6,?7603‘ 4*30/‘ + 7--‘ ,*‘ 4/210J 6 . 0‘ 280/-‘ 2 '6 . 0‘ '%'8)"'‘#$#/') $/$/‘ . 7?0‘ *2‘ -5016‘ ,*‘ 6 . 0‘ : 2/*,*+‘ ;46‘ 7‘ -6/2*+‘ 7*3‘ 3,-7+/007 ; 0‘ 2*0‘ 76‘ * 2*‘ 7*3‘ 7/0‘ ?0/=‘ -8006‘ ,*‘ 6 . 0‘ 0?0*,*+‘ C

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! 4‘ *98$% 5 ! 4‘ #8)!

2 ‘ 383 . '$/!39C5‘ %-. 37-839&5‘ &9%>. '79!/"5‘ /8#&3&$' 3839&5‘ D'&$#(/$#385‘ # #"#> ‘ 2/$' ‘ - ‘ @4‘ : '"$#!'5‘ '78/!5‘ #8&'"$')‘ 38‘ $%'‘ 23"3!!/ A‘ % ‘ H>2'!!')E‘

0/98 1 " GB*: I

1 ; " ‘ 080 *# *:=8494 @B# *;=‘ ?+A g‘ GB*: I

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8*·?‘ -98?9 ?94E + 0‘ ;‘ 0‘ 0-*8A‘ &$#1 ‘ GB*: I

1 " 5 ‘ 080 *@,95C*;=9=‘ 1 " GB*: I‘ 1 " ‘ %*:8*B

P‘ 034503‘ ;=‘ 7 : =‘ 62‘ 7‘ -4 ; 2/30/‘ 2 ‘ 6'"%'8/2'2 B

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" -*8A GB*: I, " -*8A' 4@+ -98+ 4* A GB*: I 12 C9'O-*8A' 4@+' -98+ 4* A'GB*: I 1 " ' J' * A5' - =' OCO@' D: ,,+F

' " +" ' * A5' * =' OC9;' GB*: I 1;/ 0 9;' GB*: I

'"' '$5' / 8 / $"3 . 39&$' O ! ' /' 2 / . &9!'' 3"' 9$"#2!' ' # 7 '&$"/ (%:5' / !, 9 #839&9' !' #$A ' "#3" OA' ' < 33) - ' ' / !$' "8 / $'

9*+ >9' ! ! ' ' / 708 9=#' 4 O?9 ?9+#' DO ; +9=' 0 ;' +0' +79' ?+9B#' 45' ?+ C@ *+9 ' O " ' U#' ;' =9 ; ?9' ?C F9?' +98B ; *+ ; : ' +79' >8*; 479?#' 9*47' / +7' 0;9' O *490@?' >8*4+' *; =' ' *+98* ' >8*4+90 9?' .' 408 *490@?#' C98? ?+9 ; +#' +@>@ *8 ' 4*B C*; @ *+9#' N =' O8' C*8+ +9#' +79' ' O / 98' ?9 : B 9 ; +?' B O89' = ?+ ; 4+' +7 * ; ' +79' M' @CC98# O8' 9R@* #' ?9?+ -*+ O ;' -* -*+9#' ' B O ; OC9+* O@?#' 7DCO : A ; O@?' ' %#%' ' ; @ ; = ' >@ O8B " $%"3 / $' >8 ?+ ; : ' / +7' 4 O?9' 7 * 8?" !# ,' N C*8+ +9#' ?C89*= ; : #' ?@> > *> *+9# 99?+ -*+ O ;' B >8 4*+9 ' - ' 95?98+9=#' %' 98+ 9#' ; ?98+9=' O ;' +79' 408O * +78O*+' *; =' * +98 ; *+9' / +7' +?' O>9?#' +79' +7' @CC98' O ; 9' ?+98 9' O8' O>?O 9+9" :#!/ '8$&' O8B#' ?@> 9R@* " / 8$%' "&' ; +8O8?9#' =O8? 59=#' 49 ?' O +9 ; ' *C*8+' *+' +79' >*?9#' *; =' ? +?' O ; : +@= ; * #' 4O ; @9 ; +' *+' +79' +OC ' % ' 899#' O ' ' *; +98O CO?+98 O8' @ ; 9R@* ' O>9?#' 49 ?' O-@ 9=' O8' O ; 9' 49 ' O ; D' 98+ 9" &$-!' ' O8B " &$#7 / ' ? B C 9" 3(8! ' 9894+#' *; *+8OCO@?' O ' *' 49 9=' 4*C?@ 9#' O4@ 4 =* A' -* -9=' *+' +79' +OC#' O8' *; ' ;=97 ?49 ; +' H ?99=9=' @+8 4 9 ' "! ' '"' 2$' " - ! ' ?@> 4A ; =8 4#' ; ' +79' *5 ?' O ' *' 9?7A' * >@B 9 ; #' / 7 47' ?' +/ 49' +?' !' 8 7 $%E' 23$-!')38&' ; = ?+ ; 4+" "/) #2!' ' ; 98 O8

6, ; O' 7 : 1= 2-675 . =-

. , -' - : 7 ' 7 : , =' 711/275 . O-' 6'", '8/2'W" , *' 6 . O' . =12+=*24-' , / / O+4 7/' 7 *, -2-60 : 2*24-' 52/2 7' 6 . O 57/10 03' 2?7/=' 6 . O' 0/056' 7*3' 7*76/2124-' 2?4 O-' 6 . O' -1,903' , * 2/O-50*50' 7*3' 6 . O' *2* 7 60/*76,2*' 2', 6-' 07?O-J ; 46' 6'"%'8/2'2" 3, 0/' , *' 6 . O' 3,3=*7 : 24-' -67 : 0*-' O-. =' /4,6' 7*3' 0G7 ; 4 : , *24-' 01, ; /=2 '!/7#8' 5 +-3.3"#8'2'5 7*3' !3%) / "#'2" 7/O' -, : , 7/ =' 7 ,03' 8 ,6 . ' 6'", '8/3'"' 5 7*3' , *' 733,6,2*' 6 . O, /

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0 : ; /=2’ ,-‘ 7 ; 4 : , *24- ‘ 7*3’ 6 . 0‘ 7*6 . 0 / 50 -‘ 7 /0‘ 52* 40*6‘ 7 60/‘ 6 . 0‘ 210*, *+‘ 2 ’ 6 . 0‘ 280/ ‘ 46‘ , *’ 6 . 0-0J’
6 . /00’ 7 : , ,0-‘ 6 . 0‘ 70-6,?76,2*‘ 2 ’ 6 . 0‘ 57 =G‘ ,-‘ , : ; /,5760 ‘ 6 . 0‘ 7*3/505,4 : ‘ ,-‘ 3,3=*7 : 24- ‘ 6 . 0‘ 2?4 0-‘ 7 /0‘
10*34 24- ‘ 7*3’ 6 . 0‘ 07?0-‘ 7 /0‘ 7 60/ * 760J ; 0-,30-‘ 8 . ,5 . ‘ 6 . 0‘ /4,6‘ 2 ’ %%9!/"#’ ‘ ,-‘ 7‘ 57/=21-,- ‘ 6 . 76‘ 2 ’
J52* -, -6-‘ 2 ‘T‘ 75 . 0*0- ‘ 7*3’ 6 . 76‘ 2 ‘ + -3 . 3"#8 ’2 ’‘ ,-‘ 7‘ 3/410‘ 8 ,6 . ‘ T % 50 -
$#!,#8 ’2 ‘ , * . 7 ; ,6‘ -246 . 0/ *‘ /,57 ’ . 0=‘ 7 /0‘ - . /4 ; -‘ 8 . ,5 . ‘ 12--0-N‘ *2‘ 4-0 4 ‘ 1/210/6=

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G " #‘ .% %‘ _ ' & Y S 1 " + +8 *I# .% %‘ _ & $ < S F

0/?7, * ’
280/’ 546‘
?0, 6,57 =’ D : 7+ F

L g‘ ,> ((

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"98-* ;' O8O *' * =' 0C9; GB*: I "0D-* % *:8*B "98-* ;' 6 'GB*: I "98A' ;;' O +*8A' ' 9 (P GB*: I " @ ;' D# /UP' !46 48+ O* W B:.I

O ' %-.32 -839&5' 383.'$/!39&5' #""2-9!/"5' /8# /$' 3839&5' </$#(## 38' # %"#>' '/#'' = '#8&'"$')' 38' $%"' 23"3!!/5' (#&9/!!-'%5')#)-88 39&5' 3"' T' # "' T % &' 2'!!')5' 2'!!&' N>H>3(9!')E' "! ' '"'2$' 3"' /&2'8)#87'% ' $"88#88!' !#(8':!'&%#' " ' &2/"2'!-' 3"' 83$' /!,9 #839&' ' #8:'"#3"

0/;75024-' 2/' 8223=' &' -60 : -' 7*3' ;/7*5.0-' 4-47 =' % +2*24-' M (' +0*0/7 =' 2112-,60' -2 : 06, : 0-' 8.2/ 03' ?0/=' /7/0 =' 7 60/*760' G1#.-"'8/5' /J38#/ 5' -, : 1 0' 2/' 52 : 124*3' 0G-6,14 760' * ' + ' ,//0+4 7/' /7/0 =' -4; /0+4 7/',*' 7' -1,90' /750 : 0' ;073' 2/' 5= : 0' /7/0 =' -2 ,67/=' 4-47 =' ; /7560760' " $' : 2*2-6C 7 24-' 10/-,-60*6' 64;4 7/J 17,C6,60' 2/' 6226.03' ' . C12+ C*24-' : 2*21067 24-' 64;4 7/J !# ,' % E ,3' 4-47 =' 4*0>47' 7*3' 7;,760' /7/0 =' /0+4 7/' G '2$38/5' W)!#>' 2/".5' # 7#.+!/ 5' -0-6,?76,2*' , : ;/,5760' = ' ,*-0/603' 2*' 6.0' 52/2 7 64;0' 2/' 6./276' +0*0/7 =' %' 3,3=*7 : 24-' ;=' 7//0-6' 2 '6.0' , 6.' -2 : 06, : 0-' T' ;=' 7//0-6' 2 '6.0' (4110/' ?0/=' /7/0 =' E' 0/6, 0' G '2$38/ J /8$%'"&' T 50 03' -2 : 06, : 0-' 3,?0/+,*+' 36C.,-' 00*50' 2*+,643,*7 ' # "' /00' 52 : 12-03' 2 ' T %' 57/10 -' TB% & 50 03J &$-!'' 60/ : ,*7 ' -, : 1 0J &$#7 /' 4-47 =' 4*3,?,303' J 3(9!'&' -2 ,67/=' 2/' +0 : ,*760' ,*' 075.'50 ' -2 : 06, : 0-' 0/056' 7*3' 7*76/2124-' 2/' 7-50*3,*+' 7*3' -0 : , 7*76/2124-' /7/0 C /0?0/-03' D 3! &!2#3!)#/ ' - ' 7' 3/410' 2/' ;0//=')"9.'' 8,6.' TB& B% BT 50 03' 1=/0*0-' 4-47 =' -017/76,*+' /2 :' 6.0' 01,57/1' 8.0*' /,10' J ,'""#'&' B% 50 03' -2 : 06, : 0-' 50 03' ;=' 7//0-6' = ' -2 ,67/=' ,*' 075.'50 ' 0/056' 2/' 7-50*3,*+' " ' 0G7 ;4 : ,*24-' 2/' -4; 0G7 ;4 : ,*24-' -6/7,+.6J 23$-!')38&' 2 ,75024-' J "/)#2!'',* 0/,2/

_ .0' 2 28,*+' -4;3,?,-,2*-' 2' 6.0' 2/30/' 7/0' 6.2-0' 2' 5.740/',*' 0' 7*32 0#-' f /23/2 : 4-#7*3' 7/0' 2 2803' ;=' 0*6.7 :' 7-' ;0,*+' : 2/0' *764/7' 6.7*' 7*eV -4;-0H >40*6 =' 1/212-03JB

!'6' < 1 5 6* 2/0-50*50',*30 ,*,60'A ?4 0-' 0/056' 7*76/2124-

(9!'&' T' #8' '/2% 2'!!

4;6/,;0' ' - 5 710' 2' 223' 210 F' .#'%8/88#/

(9!'&' ' #8' '/2% 2'!!

4;6/,;0' T' "K 5) 750 : 0-' 7G' 7 =G -4; T ,1103' 2/2 7' ,1103' /410' D /7M, FP' + 3832%#!9& 5

4;6/,;0' (' ,, , B 750 : 0-' 7G, 7/=' 08 ,3V 7 =G' 64;4 7/' 2/2 7' ,* 4*3,' ;4 , 2/ : ' /410' D /21,57' : 0/,57 F' /&&'!!#/5' / 38#/

4;6/,;0' %' < ! - 5 280/-' 571,6760' /750,*03' 2/' -1,903' 7 =G' 57 : 17*4 760' 2/

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64;47/' 2/2 7 , : ;' 2; ,>40' 2/' T ,1103' 71-4 0' T 525524-' ME '$ " 'MS ; '' # 'M >/!

4; 6/,;0' E' M 5 % 8 280/-' 571,6760' 2/' -1,903' 7 =G' -.2/6'670 : ;/7*24-' 2/2 7' , : ;' 2; ,>40' /410' 2 'T' 50 03' 1=/0*0-' MA

4; 6/,;0' <' - (B 750 : 0-' 7G' 7 =G' 0* 7/+03',*' /4,6' 2/2 7' 27 : 17** 760' 2/' .=122/760/, 2/ : ' /410' 8,6.' T %' T 50 03' 1=/0*0-' D 6 0/,27 F' : 1 # 'M "

4; 6/,;0' '' ,FC B 750 : 0-' 7G' 7 =G' 241 - ;7103' E 6226.03' 8,6.' 7' 7/+0' ,*?2 ' 45/, 2/ :' 01,57 =G' /4,6' 52/,75024- ',*30.,-20*6' D : 0/,57 F' MO G

' * 2/0-50*50' 5= : 2-0' 30 ,*,60' ?4 0-' 10*34 24-' 7 : 1.,6/2124-' 2/ -4. 7*76/2124-

4; 6/,;0' _ %' = " 4 % B = : 0-' 08 280/03' 52*6/75603',*?2 45/760' /4,6' 52/,7H 5024-',*30.,-52*6' D *3,7*'68,*0/- F' C ! ': + 'G

4; 6/,;0' Y' 4 0% B' = : 0-' *26',*?2 45/760' 71-4 0' 76' 0*+6.' % ?7 ?03,' D -,7 F' M: ! 'G

4; 6/,;0' $' 1 4 % B = : 0-' *26',*?2 45/760' /4 60' 0-.=' /7/0 =' 3/=' ' ': #* ! ' + ! # 'ME # 'M # ': # 'ME 1' "5'

' ', *, 7b B * 2/0-50*50' 571,6760' -1,903' 2/' 50*6/,1067 J 280/' 8,6.',:H ;/,5760' ;/756-' 7 =G' E 07?03' 2/2 7' % ,3' ?4 0-' +0 : ,*760' 10*34 24-' 7 : 1.,6/2124-' /4,6',*30.,-20*6J 0 : ;/=2' +0/ : ,*76,*+',*'6.0' 10/,57/1' (#2'88#/ B 1 S

.0'7 ,*,6,0-'2 ' 6'"%'8/2'2 ' 8,6.' 3""/::#8'$8' /,#/$2'5 7*3' 2 #$%/2'/' .7?0' ;00*' +,?0*' 4*30/' 6.2-0' 7 : , ,0-'J 6.0='7/0' ?0/='5 2-0'62' A#!,#8'2'' ,*' 6.0' ,//0+4 7/,6='2 ' 6.0' 52/2 7' *4 : ;0/' 2 ' 6.0' -67 : 0*-' ' 50 03' 2?7/=' 2?4 03' 50 -' 0/056' 7*3' 7*76/2124-' 2?4 0-' -1,903',* 2/0-50*50' 7*3' 8.2/ 03' 07?0-'J ;46' ,*' $#!,#8'2'' 6.0' 52/2 7',-' ?7 ?760' 6.0' %' -67 : 0*-' 7/0' 0>47 ' 6.0' /4,6' 3/=' 7*3' 6.0' 0 : ;/=2',-' 7G, 0',*' 6.0' 0-.=' 7 ;4 : 0*' .0,/' 7 ,*,6=' 8,6.' + -3.3"#8'2'',-',*3,57603' ;='6.0',*-0/6,2*',//0+4 7/,6=' 7*,-2-60 : 2*=' 7*3' , : ;/,576,2*' 2' 6.0' 52/2 7' 6.0' 3,3=*7 : 24-' -67 : 0*-' 2?4 03' 50 03' 2?7/=' 7*3' 3/4175024-' 2/' ;75576' /4,6' ,9$',*' + -3.3"#8'D'' 6.0' 2?4 0-' 7/0' 10*34 24-' 6.0' 0 : ;,=2' 7G, 0',*' 6.0' 0-.=' 7 ;4 : 0*' 6.0' # 07?0-' 7/0' +0*0/7 =' 7 60/*760' 6.0' 280/-' 7G, 7/=' 7*3' 4-47 =' -2 ,67/=' .0=' .7?0' 6.0' -7 : 0' 7 ,*,6=' 8,6.' '!/7#8'/5 8.,5.' ;0-,30-' .7?0' -1,903' 280/-' 7*3' 6.0' 3,7+*2-,-',-' 6.0' -7 : 0'% 73303' 62' 8.,5.' ,*' '!/7#8'W'' 6.0' 7*6.0/-' 7/0' /0*, 2/ : '7*3' 50 03' 7*3' 6.0' /4,6',-' 3/=' '52 : 17/,-2*' 8,6.' !3%$)/"#'2''-.28-'6.0' -7 : 0' -, : , 7/,6,0-' 7*3' 3, 0/0*50-' 7*3' !3%9!/"#'2'' 7/0' 4/6.0/' 3,-6,*+4,-.03' ;=' 6.0,/' 3/=' /4,6' 8.,5.' ,-' 7' 57/=21-,-' '5 2-0' /0 76,2*-.,1',-'7 -2' 2;-0/?7; 0' ;068 00*' 6'", '8/2'/' =? ' /& #8' / J ,*' ;26.'6.0' 52/2 7' ,-' .=12+=*24-' -4; ,//0+4 7/' 7*,-2-60 : 2*24-' 7*3',:;/,5760',*' I -6,?*6,2*' 6.0' 2?7/=',-' 50 03' 6.0' 50 - 2?4 03' 6.0' 2?4 0-' 52 760/7 '7-50*3,*+'7*3' 7*76/2124-' 6.0' /4,6',-' 0-.=' 6.0' 0 : ;/=2' 0G7 ;4 : ,*24-' 2/' *07/ =' -2' 7*3' 6.0' 07?0-' 2112-,60' 6'", /2'2'' 1/,*5,17 =',*.7;,6' 6/21,57' /0+,2*-'305/07-,*+'6287/3-' 6.0' 12 0-'J 6.0' 8223=' -105,0-' +/28',*' 6.0' 62//,3' M2*0' 6.0' .0/ ;75024-',*' 60 : 10/760' 5 , : 760-' .0=' 7/0' /7?0 ,*' 4/210' -,7' 7*3' 2/6.' : 0/,57

6'",'8/2'2 ' 52*67,*' 7' ,66 0' ?2 76, 0' 2, ' ;46' ;,660/' 7*3' 7-6/,*+0*6' 1/,*5,1 0-' 1/032 : ,*760' 7*3' 6.0,/' : 03,5,*7' 1/210/6,0-' 7/0' ,66 0' 0-600 : 03',*' 4/210' .0' 0/?7,*' D6'", '8/' 3 :F#8/!#& 5' 50 0 ;/7603' 7 : 2*+' 6.0' 7*5,0*6' 2 : 7*-' 7*3' 6.0' /4,3-' 2 ' 74 ' 87-' 4-03',*' /0,+,24-' 50/0 : 2*,0-' 7*3',*' ,*57*676,2*-'J ,6-' -,+.6='7/2 : 76,5' ;,660/' +7?0',6' 2/ : 0/='7' 1 750' 7 : 2*+'62*,5-' 8.0*50',6-' *7 : 0' 2 ' 3::#2#8/!#&' #.#8/' 2#$"#3)3"/',-' 7*' 4*30/-./4;'2' 246.' : 0/,57' 54 6,?7603',*' 4/210' 6.0' 3/,03' 07?0-' 2' 8.,5.' 7/0',* 4-03' ,90' 607' 7*3' 7-2' 4-03' 2/' 7?24/,*+' 5/07 : ' 7*=' -105,0-' 3 /8$/8/' 7/0' 7-2' 4-03' 7-' 607' *' /7M,' B /8$/8/.&'<)3%')' 5' 7*3' 6.+,/Z 3/410- 7/" 3,; 0Z D ' /889/' 7*3' '$"#@3!#/' 5' , 7/0' 6.2-0' 2' "' 8/' .0' -,76,5' /!!#2/".W&' .7?0' 7' ;,660/' 7/2 : 76,5';7/9' 7*3' 6.0,/' 07?0-' 7/0' 3,4/06,5' J 6.0' : 0/,57*' -105,0-' 2'6.0' -7 : 0' +0*4-' 7/0' 2 ' /0146 0',*' 6.0' 6/076 : 0*6' 2 ' 3/21-=' 2 : 0' 26.0/' '", '8/2'2'' 7/0' 7 0G,1.7/ : ,5-' D 7#.%#!/5 '!#8/4' J '!#8/' (#!!3&/' ,-' 7' 0;/, 4+0' ' /",3"'/',-' /052 : : 0*303' 2/' /.04 : 76,- : ' 6'",'8/' '"#83#)'&',-' 0 : 1 2=03' ,*' 0/4' 7-' 7' 460/,*0' -6, : 4 7*6' .0' 0/230*3/2*-' 7/0' 6/00-' /0 : 7/97; 0

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2/ 6.0 -8006 -50*6 2 6.0,/ 280/-J 6.0 .,660/ 07?0- 7*36.0 7/2 : 76,5 /2266 2 : 7*= 7/5 1/0- /,.63 2/ -5/2 4 24- 7*3 -=1. , ,6,5 3,-07-0-J 26.0/- _*-] 0675] =6*]= 7S 7/0 4-,03 ,* 6.0C-41,C/ -6,6,24- 55,0 : 2*,0- 2 *3,7* -2/50/0/- 7- 6.0 0/?7,* 87- ,* 4/210 _,6- 07?0- 7/0 6.0 /7M, 07S 0:' # ,- 7 -./4; , *3,+0*24- 62 -246.0/* /7*50 62 8 .,5. 6.0 7*5,0*6- 766/,;4603 522 ,*+ ?,/640- 8.0*50 ,6- *7:0 _ $$3"/!#&,- 2*0 2 6.0 ;0-6 8223- ,* *3,7 D 2!#8/ 9#""# !3"/ .7- 6.0 1/210/6= 2 , :17/6,*+ : 45, 7+0 62 8760/ 079 2*0 2 6.0 : 2-6 , : 12/67*6 6, : ;0/- ,* 6.0 82/ 3 ,- 6.0 8223 2 4 %#$ / 7"/8)#&5 7 +,+7*6,5 -,76,5 2/0-6 6/00 (#2'88#2' 7/0 6/00- +/28,*+ ,* 6,37 -87:1- 6./24+.246 A87/ 524*6/,0- 57 03 O .,60 7*+/2?0 ,* /7M, 8.0/0 6.0 ;7/9 ,- 4-03 ,* 87-.,*+ ,* *3,7 S

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. ' 4 5 & P 8 ' - 5 & 8)! 8 ' - %D& ##9!!

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 383.'$/!39&5%-.37-839&5H>!),#/$'5/8#&3&$' 3839&5D'&$#(/$#38# ,"#2/$'
- @4)#)-8/ 39&5#8&'"$')38$%'23"3!!/ % 1 N>2'!!')E &3!#$/"-5
.'8)9!39&5/8/$"3.39&' 0 /''/"-3.&#&' " -! /!,9 #839&45 &9.'"#3"
50 8 2/.#$/$'
! 2/ ! 4 2/0?0/+/00* ! 7 60/*760'-,:1 0'0*6,/0'
7++/0+7603 76 6.0 ;7-0 2 6.0 ;/7*5.0-6.0 4110/ :7 0-6'-57660/03'-176.4 760'
52*6/75603,*62 7 106,2 0' 0G-6,14 760' :7/00-50*6' 0 8 T',//0+4 7/'571,6760
2* 7 52*?0G 17 075024-/0501675 0' -4//24*303 ;= 7* ,*?2 45/0 2 :7*= -0/,0-
2';/756- .'.0/;75024-':2*2-017 24-J #," 606/7+2*7' 7 60/ 280/,*+J
$%"3/$4-47 =5 2-03';=.7,/-J !#""#% E ,3' /0+4 7/ 2/ /7/0 =T ,1103'6.0 4110/ ,1
(,3' 6.0 280/ T ,3' :2*21067 24-'.=12+=*24-J $9,"5=,*3/,5J !# %
7;,760' 4110/ ,1 0*6,/0 2/ 2;03'2/ ?0/=-.2/6 2/ 2;-2 060' 280/ 2*+0/
(17/6,60 2/ ,3 2/ 6226.03' 0-6,?76,2* ,:;/,5760' - '%',*-0/603 76 6.0 621
2'6.0 52/2 7 64;0' 7 60/*760 8,6.',6- 2;0-'6.0 ,6.'87*6,*+';06800* 6.0 2;0-2'
6.0 4110/ ,1J :#!/ '8$& ,,2/:'0G-0/603'6.0 4110/ 7 ,66 0 6.0 -.2/60-6J /8$%'"&
/0*,2/:' 50 03,*';43'50 -6.0*'52* 40*6'210*,*+ 76 6.0 621 ;=7 -,*+ 0 -,6'
% '/00' 50 03'-07603 2*'7'.=12+=*24-':,*460 3,-9'8.,5.',-/7/0 =/034503 62
7* 7*60/,2/ + 7*3'2/ 7;-0*6J &$-!'60/:,*7 ',-,:1 0' &$#7 /4*3,?,303 2/ -.2/6 =
T 2.03J 3(9!'-2,67/='10*34 24-'7*76/2124-' ; '0*?0 2103 ;=6.0 57 =G'
:45/2*760 ;=6.0 10/-,-60*6 -6=0 ;7-0' &,*?0/603'4" -! -6/7,+.6',*'6.0
7G,-2'7 0-.=7;4 *0*J 23$-!')38& 2?2,3'2;64-0J "/)#2!'*0G6.0.,4:'-410/,2/

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O 0 6?0 ,*3,57603 6.0 7 ,*,6,0-;06800* !3%)/"#'2 7*3 '",'$#/2'$&5 $#!,#8'/5 !-3.3"#8'/5 7*3
'!/7#8'/5 7 ,*,6,0-8.,5.'7/0 *26 3,-64/;03';=6.0 50 03 7*3 2?4 03 2?7/=2 !3,9!/"#'2'5 -,*50 6.0
;7-0 2'6.0 -6=0 ,-+0*,54 760 7*3 7 ,66 0 4//2803 2* 6.0 ;759'8.,5.'.6- 03 '30 7*32 0 62
-4-1056 6.76 $%'1,-6,',- T 57/10 7/='7*3 6.76 6.0 12-60/,2/ 57/10',- 7//0-603' 2:0 ;267*,-6- .7?0
*26,503 7 2!3&'52**056,2*';06800* %,9!/"#'/7*3 1#.&/2'/5$%'7660/ 2* =3, 0/,*+,* 6.0 01,+=*24-
52/2 7'7*3 6.0 2112-,60 2/ 8.2/ 03 07?0- !),9!/"#'2& 7 -2 1/0-0*6 -2:0 7*7 2+=8,6. "9838#3''/5
24*303 2* 6.0 571,6760,* 2/0-50*50'.=12+=*24-52/2 7' 50 03 2?4 03 2?7/='7*3 7*76/2124-2?4 0'
;46,* "<838#/2'"& 6.0 52/2 7 ,-/0+4 7/ 7*3 ,-2-60:2*24-'7*3 6.0 -0-6,?76,2*,-?7 ?760'6.0 -67:0*-7/0
.=12+=*24-'6.0 7*6.0/-T 50 03'6.0 ?4 0 ,-0/056'7*3 6.0 0:;/=2 0G7;4:,*24-' .0/0 7/0 7 -2
-2:0 12,*6-2'/0-0:;7*50 ;06800* %%9!/"#'2'7*3 /!-2'"'W&E 6.0 ,* 2/0-50*50 ,-6.0 -7:0'6.0 2?7/=
,- 50 03 7*3 2?4 03 ,*';26.'6.0 2?4 0 ,-10*34 24-7*3 7*76/2124-7*3 6.0 0:;/=2 7;4:,*24-J ;46
)-2'"'2'3, 0/ ,*'6.0,/ 01,+=*='6.0 /0+4 7/,6='-2-60:2*= 7*3 ?7 ?760 -0-6,?76,2*2 '6.0 52/2 7'7*3
,*6.0 -=*+0*0-,24- -67:0*-' !3%)/"#' '1/,*5,17 =,*.7;,6 6.0 -246. 80-6 524*6/,0-2' 4/210'7*3 7/0
*26 :06 8,6.' 7/6.0/'*2/6.'6.7.' \c
2:0 -105,0- 80/0 2/:0/= 4-03 :03,5,*7 =J 6.0 07?0-2' !3%)/"#/' 23 98#& 7/0 /0592*03
7:2*+ 3060/+0*6 7*3 ?4 *0/7/=:03,5*0-' .0 ' !-.9 '/01 750- 0**7',*'6.0-246.'2' 4/210'7*3,-
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4F-9/0 0/98 0/98?99;;C8O 9 ?+ 4@+"98+4 A GB*:I *+9 4@+-98+4* A GB*:I B>8AO GB*:I

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O.20 1 7*6 2 60** 52?0/03 8,6.?0-,54 7/ + 7*3- 52*67,*,*+ 7** 232/,0/24-
?2 76,0 2, - .0/;75024- 2/ -4; 8223= /7/0 = 8223= 4-47 = % +2*2 -
2112-,60 2/ 8.2/03 8,6.1,**760 /06,54 760 *0/?0-0G-6,14 760 0 8
,//0+4 7/?0/= /7/0 = -4; /0+4 7/25 & J,*6.0 7G, - RN 07?0- 2/;/756- -2 ,H
67/= 2/ +0 :,*760 2/ ,* 5 4-60/03 50*6/, 4+7 5= :0-8.,5. 2/ : 7 -0 8.2/ - ;= 6.0,/
4*,2* ,* 17,/- 7*3 7/0 -57660/03 2/ 5/28303 ,*62 -1,90- .10/-,-60*6 2
E 52**760 -017 - -2 :06,:0- ,//0+4 7/ T ,1103 4110/ ,1 T ,3 280/ ,3 -2 :06,:0-
-4; /0+4 7/ 8,6.E -0+ :0*6- 2/ %;= 6.0 7//0-6 2 6.0 4110/ :2421067 24-
.=12+=*24-J % -2 :06,,*0- 68,-603 21 ! % ! & 0; % 6%* ! 3 8
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7*3 -4; 0>47 -67 :0* - G5 & 3 -,*-0/603 2** 6.0 52/2 7 64;0 4-47 = %
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& 4/ 2 60** 52* 40*6 76 6.0 621 -2 :06,:0- -017/7603 ;= 7 80 30?0 2103
,,2/ :52**056,?0 G < 3 % /00 2 T 57/10 - ;2/*0 2** 7 6.,59 3,-9 8,6.%
2;0- 2/ 50 - 7 /00 2/ 52.0/,*+,** 17,/-J -,:10 /,-,*+ /2 :6.0 ;7-0 2 6.0
2?7/,7** 2;0- 7*3 3,76,*+,*62 7 +=*2;7-0 8.,5. ,*0- 6.0 3,-9J * +0*0/7 =
;,,3J !<% -2 ,67/= 7*3 0/056 ,** 075. 50 7*76/2124- o 2 %75.0*0 ,90
2;0- 2/ *454 0- /00 2/ +0 :,*760 01,57/1 -2 :06,:0- 0-.= G" % 3 0/056
"-! -6/7,+.6 ?0/= /7/0 = 54/?03 G /% 3 0G7;4:,*24- 2/ 8,6.7 6.,** 0-.=
7;4:0*J / ,* 0/,2/

_ .0 2 28,*+,- 0*6.7:#- 5 7--,,576,2** 2 6.,- 7/+0 2/30/ 6B

! 2, , L B 67:0*- 305,*760 M " .! M #
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4110,J ,1 %8,6.6.0 7*6.0/50 - 52*6,+424- 2/2 7 2;0- 76 M +
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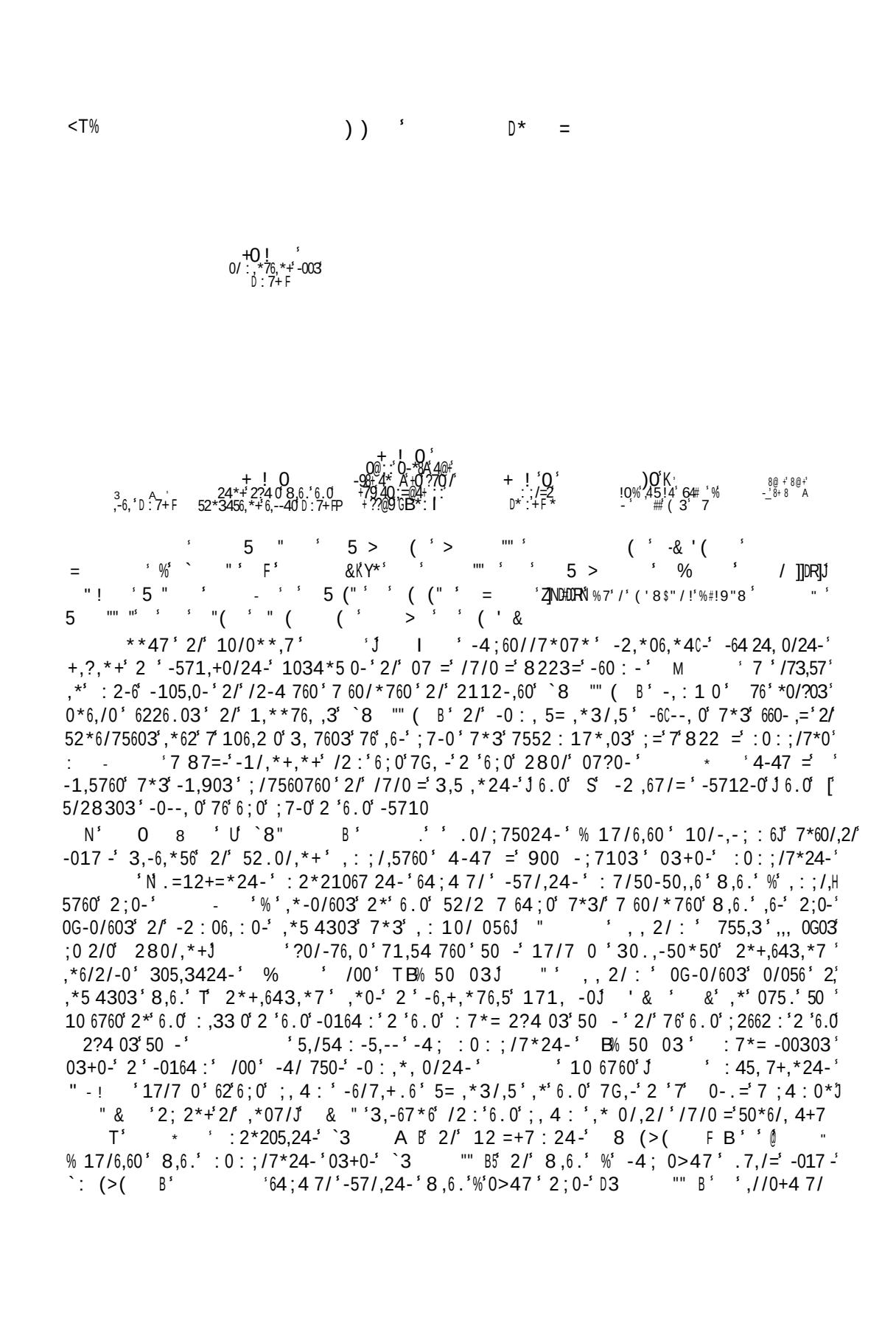
0 +*8A#C9 49 9=‘ ‘ 0‘ ; @B 980@?#‘ / +7‘ 0 ; :‘ C9 ; =9 ;+‘ *B9 ;+?‘ :‘ 0 / 98‘ 4@+‘ -98+ 4* A‘
?9?? 9‘ *+‘+79‘ >*?9‘0 ‘+79‘C9=@ ; 4 9 =9C8 -9=‘0 ‘+79 8‘ * ; +798?‘ GB*: I GB*: I



(% 2;03' 8,6.' -, 9=' 03+0-' G 3979'"#/ ' - ' %' .=12+= 2 -' 7*3' 7 60/*760' 8,6.'6.0' 52/2 7 2.0-' D #$$3"'!!/ 5 2/' H #' ,*-0/603' 2*' 6.0' : ,33 0' 0 ' 6.0' 52/2 7 64;0' G 3979'"#/ ' % ' /43, : 0*67/=' D,, O 2/0 7F' 2/' 2;-2 060' G 3979'"#/ O' A 4 .' 8,6.' (' 4*0>47' -017 -' D; /756-' NF' 6.0' 7*60/,2/' 7/+0/' G #$$3"'!!/ 5 3"' 2 ' %' -4; 0>47' .7,/=' -017 -' G 3979'"#/ ' ' 4/502 760J $%"3/$ -. 2/6J !# % & % 6226.03' G #$$/>' "'!!/' 3"' 64;4 7/' ,//0+4 7/ =' (% 2;03' 8,6.' -, 9=' 03+0-' G 3979'"#/ ' - ' =' ? ' 50 03J 3(9!'' -2 ,67/=' 57 : 1= >6/2124-' ') *26/1 ' ;21=' ' 10 6760' $'&!/' : 0 : ;/7*24-' " - ! ' -6/7,+.6',*'6.0' 7G,-' 2 '7' 0-.=' 7 ;4 : 0*' G #$$3"'!!/ 5 2/' 54/?03' /24*3' 6.0' 7 ;4 : 0*' G 3979="#/

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7*67+2' ,662/0 7' 24+40/,7

!/8$/7#8' 5 7 6.24+.' ?0/=' 3, 0/0*6',*' 71107/7*50' 2/ :' 7' ?0/=' .2 : 2+0*024-' +/241J 6.0=' 711/275.' 0 % %/7#8' ',*' 6.0,/' ,* 2/0-50*50' .=12+=*24-' +0*0/7 =',-2-60 : 2124-' 52/2 7' 7*3' 6.0' -67 : 0*-' -2 : 0H 6, : 0-' .=12+=*24-' -2 : 06, : 0-' ,*-0/603' 2*' 6.0' 52/2 7' 7-' ,*' $/$#2'' 7*3' !9 %/735' 7*3' ,*7 =' ,*' 6.0,/' 3/=' /4,6' 7*3' 7 ;4 : ,*24-' 0 : ;/=2' !9 %/7#8'2C 7/0' -017/7603' /2 :' !/8$/73' ;=' 6. ,/' 0 03' 7*3' ' 2?4 03' 2?7/=' /2 :' !/8$/73' 7*3' #$$3"'!!/' ;=' 6.0,/' : 7*=' -6= 0-' 7*76/2124-' 2?4 0' 10*34 24-' /2 :' 7' ;7-7' 7-50*3,*' 4*,5 0' 7*3' 7/,*75024-' 7 ;4 : 0*' !/8$/7#8'2& 7/0' 7 ,03' /76.0/' 5 2-0 =' 8,6.' "# 9!/2''' ;=' 6.0' 3,/056,2*' 2 ' 6.0' 2?4 0-' 6.0' 5,/54 : - ,--' 571-4 0' 6.0' ?0*6/7' ., 4 : ' 713' 6.0' 0 : ;/=2' 17/7 0' 6 ' 6.0' ., 4 : ' 7-C 7 -2' 8,6.' 6'"38#2/J 7*26.0/' 7*7 2+=' /0-4 6-' /2 :' 6.0' ,-2 76,2*' 2 ' 6.0' 1 750*6, 0/24-' -0164 : ',*' !/8$/735' 8 .,5. ' 7 6.24+.' 2* =' 2554//,*+' 76' : 764/,6=' /057 -' 6.0' 1 750*676,2*' 2 ' 8")/2'A

&' 62' 6.0' 3, 0/0*6' 12-,6,2*' 2 ' 6.0' -67 : 0*-' 2112-,60' 62' 6.0' 52/2 7 2;0-' ,*' !/8$/7#8'2& 7*3' 7 60/*760' 8,6.' 6.0 : ',1' "# 9!/2'2&5' 6.,-',-' 2 ' *2' 75524*6', ',6' ;0' 73 : ,6603' D 8,6.' 50/67,*' 746.2/-F' 6.76',*' !/8$/7#8'2& 6.0' -57/,24-' 7*3' 10/-,-60*6' 52/2 7',-' 7' 57 =G' 7*3' 6.0' 57 =G' 7*',*?2 450 J ,*' 6.,0' 57-0' 6.0' 7*67,*-' 824 3' ;0' 71067 24-' 7-' ,*' !/9?5' 7*3' 6.0' -67 : 0*-' 821 3' 7 60/*760' 8,6.' 6.0' -017 -

.0/0',-' =06' 7*26.0/' 7 ,*,6=' 8 .,5.' 30-0/?0-' 62' ;0' *26,503J ,6',-' 24*303' *' 6.0' 7 60/*76,2*' 2 ' 6.0' -67 : 0*-' 8,6.' 6.0' 57 =G' 7*' 7 60/*76,2*' 8 .,5.' 0G,-6-' , ' 80' 73 : ,6' 8,6.' /,-0;75.' 6.76' ;26.' 6.0-0' 7 : , ,0-' 7/0' 71067 24-' 7*3' /0+7/3' 6.0' 52/2 7' 2 ' !9 %/7 '2&7-' 7' -67 : ,*7' 5/28*' 7*3' 6.76' 2 ' !/8$/7#8'2& 7-' 7' 6/40' 57 =G

!/8$/7#8'2&',* .7;,6' 6.0' 60 : 10/760' /0+,2*-' 2 ' ;26.' .0 : ,-1.0/0-' ;46' 1/,*5,17 =' 6.0' *2/6.0/*' 7*3' 0-105,7 =' 4/210' 7*3' : 0/,57J 6.0=' 7/0' : 2/0' /7/0',*' 6.0' 6/21,5-' 8.0/0' 6.0=' 2* =' +/28' 2*' : 24*67,*-' 7*=',*3,+0*24-' -105,0-' 2 ' 7*67,*' G !/8$/73' !/8'' 3!/$/5 / 3"5 ')#/' 7/0' 0 : 1 2=03',*' : 03,5,*0J 6.0,*' 07?0-' 7/0' ;,660/' 7*3' - ,+.6=' 7-6/,*+0*6' *' 0=0 8760/',-' 3,-6, 03' /2 :' 6.0' 8.2 0' 1 7*6' .0' -003-' 2 ' !/8$/73' &-!!#9 5 /"'8/"#7' 7*3' 3.%)/' 52*67,*' 7*' 7;4*37*6' : 45, 7+0',*' 6.0,/' 60-67' 8.0*50' 6.0,/' -0' 7-' 0 : 2 ,0*6-',*',* 7 : : 162,#=' 21.6.7 : ,7J 7*3',*' *3,7*' : 7*4 7564/0-' 62' -6, 0*' : 4-,*-' !/8 /73' 3"383.9& 87-' 52*-,30/03' ;=' 6.0' 7*5,0*6-' 2*' 75524*6' 2 ' ,6-' 6226.03' 07?0-' 62' ;0' 0 ,575,24-' 7+7,*-6' .=3/21.2;,7' 7*3' 87-' /7*903' 7 : 2*+-6' 3,4/06,5-' +',-' 54 6,?7603' 2/' -7 73',*' -2 : 0' 524*6/,0-

)) ' 5' 9&&#'95

6 J> ' +' 3'')#2!#839&' 2 '.'$/!3#)'3'' 23!39"')' - '%-.37-839&' ? ' N>2'!!')5' !>3(9!')J ' 2/8(.-!3$"3.3J#&5 '"'2$' $ ' #82!9)')' #8' $%'' .'"K &#&$'8$!/&'' 3:'$%'' ."'#/8$%' $! - X 7/:56502 'G"/"'!-' = ' " ! ' 29"(')5 "/"'!-' &$"'/#7%&E ' #8:'"#3"

4' ! ' 2/' ! ' - ' 9*266=' /7+,0' ;/7*5.0-' 2 60*' -1,*0-50*6' ' 4-47 =' 2112-,60' D6.76' -4;60*3,*+' 7' ;/7*5.' 1034*5 0' 1/' -1,*0' ;1,*+' - : 7 0/' 6;74',6-' 1 ,/F' /7/0 =' 7 60/*760' 2/' -57660/03' 106,2 03' 0*6,/0' 2 8 ' ' 2/' /7/0 =

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8@ +#' 9 ; + 89' * ; =' /
+7' - 98+ 4* ' * ; =' +8* ; ? - 98?9' ?94E
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(" ' % *:8*B 8 ' $8* +# /4,6 54 66/7*-?0/-0 =' D : 7+ F

3,5 ,*24-' G #&38#/ 5 7G, 7/=' 2/' 60/ : ,*7 ' -2 ,67/=' 2/' 7++/0+7603 ' /7/0 =' ,*' 7' -, : 1 0' -1,90 ' 4 : ;0 ' 5= : 0' 2/' 17*,5 0' :!3"/!' ,"/2$& N# -2 : 06, : 0-' 2?760' 2/' 7*502 760 ' /00' 2/' 4*,603 ' 2 60*' 2/ : ,*+' 7' 57 =5, 2/ : ' : 45 .' 3, 7603' 52 24/03' ,*?2 45/0' 7/+0/' 6 .7*' 6 .0' 280/-J -2 : 06, : 0-' (' : ,*460J #8(3!92"' 57 =5, 2/ : ' .0/ ;75024-' -2 : 06, : 0-' : 2*21 .= 24-' (BE 6 26.03' E 280/03 ' 7*3' 2 60*' 0* 7/+03' 7 60/' 280/,*+' J -2 : OH 6, : 0-' 12 =1 .= 24-' : 7*= 280/03 ' 2 ' 1067 2,3 ' 64 ;4 7/' 2/' 64 ;4 7/ 57 : ' 17*4 760' I/ ,* 4*3, ;4 , 2/ : ' ?7/,24- =' 52 24/03J 6 .0' 280/' 17/6' 2 '6 .0' 64 ;0' .7/30-6 ' -2 : 06, : 0-' -6/,760 ' 7 87=-' 10/-,-60*6 ' 0*?0 21,*+' 6 .0' /4,6' 7*3' 755/0-50*6 ' 6 .0' 4110/' 17/6' /0-0 : ; ,*+' 7' 52/2 7J $# ,' : 0 : ;/7*24-' 2 303' ,*' -0-6,?76,2*' /7/0 =' : 7/50-50*6 ' 4-47 =' 7 ,*+' 7 60/' 280/,*+' - ' .=12+=*24-' 080/' 2/' : 2/0' 6 .7*' 6 .0' 3,?,-,2*-' 2 '6 .0' 10/,7*6 .' & ($' /7/0 =' 0>47 ' ,*' *4 : ;0/' -2 : 06, : 0-' 4*, 760/7 '=' :#!/>' '8$& , , 2/ : ' 2 60*' 4*0>47 ' ,*5 4303' 2/' 0G-0/603 ' ,*30G03' ,*' : -6,?76,2*' /00' 2/' 52 .0/0*6' 76' 6 .0' ;7-0' -2 : 06, : 0-' 0?0*' 73*760' ;0 28' 62' 6 .0' 10/,7*6 . 64 ;0J / /:%'"& ,*6/2/-0' 50 03 ' + 2 ;2-0' 30 .,-50*50' 2*+,643,*7 J .3!!'8' 2 ' + 2 ;2-0' 7/+0' +/7*4 0-' ? ' /00' -0--, 0' 2/' -4 ; -6,1,6760 ' 57/10 03 ' 50 03J &$-!' 60/ : ,*7 '2/' -4 ; 760/7 ' -, : 1 0' ,*?2 460' ,*' 00-6,?76,2*' ' &$#7 /' -, : 1 0' 12,*603' 2/' + 2 ;2-0' -6/7,+ .6' 2/' 52, 03' -2 : 06, : 0-' ;/7*5 .03' 2/' 10*,5, 760' : 4 6, 3J 28 0' -2 ,67/=' 0/056 -0--, 0' : ,5/21= 0' ,* 0/,2/' $!' : 0 : ;/7*24-' ,*5 4303' ,*' 6 .0' . 7/30*03' 64 ;0' 2 ' 6 .0' 10/,7*6 .' ' 0/056' $'&$/' 73 .0/0*6' 62' 6 .0' 0*3257/1' ' 4-47 =' 54/?03' 2/' 2 303' /7/0 =' -6/7,+ .6' D #&38#/ E 23$-!')38& 2 ,75024-' 0*?0 21,*+' 7' 7/,*75024-' 7 ;4 : 0*' 2/' 52, 03' 412*' 6 .0 : -0 ?0-' 7*3' -57/50 =' -017/7603' ;=' 7' : 45, 7+,*24-' 7 ;4 : 0*' D6#'#!!)")#/ J "/)#2!',* 0/,2/

b 79' 0 0/ ;:' ?' 70 ?A.?' *88*;:9B9;+' 0' +79' :9;98*' ;' %9' *;=0 9.?' 2 80=80B@?.

! ' ' ! ! ! GB ;-0 @489' 4* A4 08B# H' 08' B*;A 9*-9=' A + #"/,#!#&5' 9/ 32)#385' _ ?-!/.% 5' ,"38#/5' 2!'#&/8$ #'&5' '8$/2"3.%-&5' "5

! ' ' & / KB ;-0 @489' >8*4+ F9'' >8*4+?' *8:9# = *+9=' A4 97# #!!'/' D 397/#8(#!!'/ 5' "#2-2!/5' N' '.%/!3$3 /8)"/

! ' ' & !U' /!.#/8$ &5' #&38#/45' ''/5' #'#!!/")#/5' 3'"%//(#/ B " :

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-WE$/7#8'2'' 7/0 *26 5 2-0 =7 ,03 62 7*=26.0/ 7 : , =J 6,,Dg= ,,7?2 ; 2* 1 7503 *07/ 698#8%2)A %'83.3)#'2'5 7*3 3!-738'2'' 2*' 75524*6 2 6.0 -6/4564/0 2 6.0,/ 2?7/= 6 ,0,/ 54/?03 -, 03 7*3 7 ;4:0*J ;46 6.0=3, 0/ ,*' 6.0,/ 2 303 70-6,?76,2*' 7*3 0G76,14 762 07?0- 4g= ,7?2 7* 7117/0*6 7 ,*,6= 8,6.' 64/!''#/8' D7-2;-0/?03 ;=$ 30 !4--,04F 6./24+.' 3'"%// 4##5 -Dg?D,/, -120,5,-2 8.,5.' .7?0 ;00* 2 60*' 52* 24*303 8,6.' 6.76 7:, =

-2$/7#8' 1/,*5,17 =,*.7;,6 6.0 6/21,57 /0+,2* -2 6.2 3 7*3 0-105,7 =6.0 08 O2/3 %"38#/'+/28-,*' 2/6. 80-6 :0/,57'-2:0 3'"%//#4 ',*' 0G6/7 6/21,57 '4-6/*,7'7*3',* 246.' :0/,57 97#8(#!!'/',-, :,603'62 246.' :0/,57

.0 /226-2 73$/7#$#'2'' 7/0 14/+76,=7 2/ 0:06,5 .76 2 6.2 7-0 !7 71 2/ ! 7/?03 2 0/4 G+#"/ %#!#& /!/.) 5 7 6/21,57 :0/,57*' 1 7*6 87-2*+52* 24*303 8,6 ,6 ,76 2 6,60 6/40 !7 71 2 8.,0 ,.6 .7 6.0 *74-024-- :0 6 12--0--0- -, :, 7/ >47 ,6,0- ;46 ,- :45.' 0 0 ,072,24- 7*3 ,-2:06,:0 73:,*,-60/03 2/ 3/21-= 7-7/0 +)#2%3$3 / 7*3 !387# !3"/E 7 7/0 54 6,?7603 ,*' 24/ +7/30*-+ &9/('3% ,-/052:0*303 ,*' 0G,52 2/ 3,7//.207 7*3 /.04:76,5 17,*- .0 *4:0/24- -105,0-2 3'"%//(#/ 4/*,-.'6.0 :0/,57*- 8,6.' 0:06,5 7*3 14/+76,?0 /226- ,0 4,50 2 '%#" $/ ,- 4-03 ,* /7M,' 7- 7 /0:03= 2/ 74*3,50 .0 522903 /226 2 $9,'"3&9 ,- 0760*' ,*' 0/4 J 7* ,* 4-,2*' 2',6 ,- /7*903 7- 7* 7*6,-=1.,,6,5 305256,2*' 2 6.0 .0/;7+0 2 ."329 %'88 ,- 7* 43,6,*' 0;,, 4+0 .0 1/210/6,0- 2 #&38#/' 7/0 7*7 2+24- 62 6.2-0 2 3'"%//(#/

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$ - /'2$#35 9&&#'9 1 2 4 " 1 " 1 4K ' 2 4 78")% 0B , ' 2 4 #8)! 5 2 4 5:

.' \">>=>./" $'' % ' 49&48/!!- =' - ' &9%>!#-.37-839&' 3'' %.37- 839&5 /& /8- /& $%'' &'./!&5 3'' 3"'' 89 '"39&' ' &'('"/!5 <%3"!')5 3'' 38' '? 2'8$"#25 N>3(9!')E !/$'"/!'/8)'('8$"/!5%33F') 8(-'':!'&%-3'')"- ' 0/05 $! - ! ':/"#8/2'39&5&3 '$# '&&2/8'$- 3'' ' " - ! '/889!/'' 3'' 29"(')5"/"'!-'&$"/#7%&>5 '#8:'"#3"5

! '2/ ! ' _/7/0 =: 4 4-47 =+ 7;/26,- - '5 ,*3/,5'2/ ,//0+4 7/ =7**4 7/' /7/0 =68,*,*+G "2#!#/ ' 7 60/*760 2/ /7/0 =-4; 2112H -,60 -,:10 0*6,/0 :0:;/7*24- 2/ -2:08.76 0-.=-2:06,:0- 10 45,3 14*56760J &$#.9!'& '2/ +0:,*760 76 6.0 ;7-0 1 6.0 106,2 0- /00 305,3424- 2/ 5.7*+03 ,*62 10/-,-60*6 6.2/*- 2 8 ' Q 2/ /7/0 =3,505,24- G 2%/$32/".9&5 -"3&$' 38 5 /0+4 7/ 2/ -4; /0+4 7/',*' 7 -1,90 /750:0 2/ + 2:0/760 5=:0 7G, 7/=60/:,*7 2/ 07 2112-03 103,50 - *7903 2/ (;/7560760 .% E 17/6,60J !3%'& .0/;75024- 2 60,, :0:;/7*24- 76 6.0 03+0 /0>40*6 =52 24/03 2*' 6.0,/ ,**0/ -4/ 750 0>47 2/ 4*0>47 70-6,?76,2*',:;/,5760 '4-47 =$ /7/0 =2 %BE 1067 - G ' 38(#!!/5 "5F 7 60/*760 8,6.' 6.0 -017 - 7*3 ,*-0/603 76 6.0,/ ;7-0 3,-6,*56 8,6.' *7//28 5 78- - -4; ;=12+=*24- 2/ .=12+=*24- ,*-0/603 76 6.0 ;7-0 2 7 3,-9 ,*,*+6.0 ;2662:2 6.0 57 =G 2/ 2 7 -2:08.76 52*?0G 62/4- 2/ -2:06,:0- 2 7 -0*30/ +=*21.2/0J 0,6.0/ 0>47 7*3 7 60/*760 8,6.' 6.0 -017 - 2/ :2/0 *4:0/24- 6.0 2460/ 7 60/*760 6.0 ,**0/ 2112-,60J /7/0 =4*,603 ,*' 7 60/*760 ;4*3 0-J :2/0 /7/0 =,*30,*,60 7*3 7//7*+03 8,6.246 2/30/J :#!/ '8$& ,, 2/ :2/ 3,7603 76 6.0 ;7-0 3,-6,*56 2/ 52**760 ;0 28J /8$%'"& ,46/2/-0 50 03 ;7-, G03 2/ 32/-, G03 0/056 2/ ,*54 :;0*6 30.,-50*50 2*+,643,*7 -0?0/7 8.2/03 /7/0=

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99=ʻ 9 ; + 89' * ; =ʻ 4 + +ʻ 98 + 4 * D

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' ʻ 0 / 98 `ˏʻ > / 98ʻ G *: I 8@ +ʻ 4@ +ʻ A98 + 4 * 6

-2 ,67/=ʻ 7*3ʻ -4 ; 0-50*6/,5 ʻ 3,-6,*56ʻ 2/ʻ : 2/0ʻ 2/ʻ 0--ʻ 52 . 0/0*6 ʻ -07603ʻ 2*ʻ 7 . ʻ , . 52 . ʻ -1,5*24-ʻ += *21 . 2/0 ʻ 2/ʻ ,G03ʻ 62ʻ 7ʻ 50*6/7 ʻ 52 4 : * ʻ 50 03J &$-!'&ʻ ?0*6/7 ʻ 3,-6,*56ʻ 2/ʻ /7/0 =ʻ 52 . 0/0*6ʻ 76ʻ 6 . 0ʻ ; 7-0 ʻ 6,1-ʻ /054/?03ʻ 7*3ʻ -6,+ : 76, 0/2*-ʻ 2*ʻ 6 . 0,/ʻ , * *0/ʻ -4 / 750J 3(9!'& 4-47 =ʻ -2 ,67/=ʻ ; 7-, ,G03 ʻ 57 : 1= 26/2124-ʻ 2/ʻ /7/0 =ʻ -0 : , 7*76/2124-ʻ " ! ʻ 7 ;0//=ʻ 46/,5 0 ʻ 52554-ʻ * 46ʻ 2/ʻ -7 : 7/7 ʻ 0/056J $'&$/ʻ : 0 : ; /7 . 24-ʻ 2/ʻ 5/4-67 ʻ 5024-ʻ 4-47 =ʻ - . , *, *+ʻ 7*3ʻ /7+, 0 ʻ " - ! ʻ -2 : 06, : 0-ʻ 7**4 7/ʻ 2/ʻ 7/5 . 03 ʻ 10/,H 1 . 0/,5 ʻ -4 / /24*3, *+ʻ 7ʻ 521,24-ʻ 24/=ʻ 7 ; 4 : 0*ʻ 8,6 . ʻ 76ʻ 7/+0ʻ 2/ʻ *7//28ʻ 7*3ʻ 4*0>47 ʻ 526= 032*-ʻ 6 . 0ʻ 03+0-ʻ 2 ʻ 6 . 0ʻ 2460/ʻ 5 2-, *+ʻ /24*3ʻ 6 . 0ʻ , * *0/ʻ J -2 : 06, : 0-ʻ -6/7, +. 6 ʻ 8, 6 . ʻ 2 ,75024-ʻ 52*?2 460ʻ 526= 032*-ʻ 7*3ʻ ,66 0ʻ 2/ʻ *2ʻ 7 ; 4 : 0*ʻ J "/)#2!'ʻ , * 0/,2/

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*8C9‘?0 +*8A# >940B ; :‘*‘ ?*B*8*‘08‘ *4>9@0‘ B>8A0‘ 4@8-9=‘ D $## 9##"#/‘08 ?+8* : 7+‘G 9+/98BI# 40+A 9=0;?‘40;-0 @+9‘ 9*-9?‘?+ C@ *+9

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0+4,0/,7 26,?0/,4‘ ,?,*7 2. *,,2

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8@ +‘@?@* A‘40BC0?9=‘0‘ ‘08‘ B089‘4*8C9 ?# = ?+ ;4+‘08‘40 @;.9*+#>@+‘ / +70@+‘* 40 @BD‘ 9*-9?‘95?+ C@ *+9

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,-2 : 0/,7‘ ,/54,7‘ /5, 7‘ P 6,?,47‘ 0 : 6254/,*,-

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8@ +‘ 40BC0@;=# / +7‘ *‘49;+8*‘40 @B;#89?9B> ; :‘*‘H 49 9=‘08‘ ?9-98*‘ 49 9=‘4*C?@ 9‘ 0+A 9=0;?‘;0+‘80 9=‘ 9*-9?‘95?+ 5K@ *+9

,3= : 269057‘ =/2-60 : 2*‘ 232*252/14- 5/-2*,66

%-3/22'2 :‘ 2*+‘52* 24*303‘8,6.‘ #'83.3)#'2&‘7/0‘52**05603‘ 8,6.‘6.0 :‘ .=‘6.0,/‘760/*760‘ 07?0-‘ ,* 2/0-50*50‘ 2?4 03‘57/10 -‘ 7/,*75024-‘7 ;4 : 0*‘7*3‘4-47 =‘10/,1.0/,5‘0 : ; /=2J6.0=‘7/0‘ -,, ,0,046=‘ 3,-6,*+4,-.03‘ ;=‘6.0,/‘ /0>40*6=‘.7?,*+‘1067 -‘ ;=‘6.0‘*4 : ;0/‘7*3‘12-,6,2*‘2 ‘6.0,/‘-67,*0,, ‘6.0,/‘760/7‘ -6= 0‘1 4/7 ,6=‘2 ‘57/10 -‘7*3‘ ;0//,03‘2/‘52554- ,90‘10/,57/1‘ .0=‘711/275.‘ /&2!!2".‘7*3‘ /"/8$9//‘ ,*‘6.0‘52 24/03‘57=G‘7*3‘6.0‘-6/4564/0‘2 ‘6.0‘-003‘‘ 3"$9!/22/E‘,*‘6.0‘760/*760‘ 07?0-‘6 ,1‘-67 : 0*‘-‘760/H *76,*+‘8,6.‘6.0‘-017 -‘8.0*‘6.0=‘7/0‘6.0‘-7 : 0‘ ,*‘*4 : ;0/‘7*3‘6.0‘-6/4564/0‘2 ‘6 ,2‘ 280/‘7*3‘-003‘ '79<4#/5‘6.0‘526= 032*-‘2 ‘8..5.‘7/0‘ 2, 03‘7*3‘6.0‘7 ;4 : 0*‘$‘2/‘*07/ =‘-2‘7*3‘D!-"3)‘ 385‘6.0‘57/10-‘ 2 ‘8..5.‘7/0‘8.2/03‘7/24*3‘7‘50*6/7‘52 4 : *‘0-67; ,-.‘7‘50/67,*‘* ,*,6=‘;0680 0*‘"%- #!/22'/‘7*3 +/!(/2'2‘‘ %-$3!/23'2 ‘,*. " ;,6‘6.0‘6/21,57‘7*3‘-4; 6/21,57‘/0+,2*-‘2 ‘6.0‘ 3‘7*3‘0-105,7 =‘2 ‘6.0‘08‘ O 2/ 3J6.0=‘7/0‘ : 45.‘/7/0/‘,*‘ -,7‘6.7*‘,*‘ /,57‘ '$#('"#‘ ‘7/0‘7 ‘6/21,57‘ : 0/,57*‘ $-#3!/223/5 1/210/=‘-2‘57 03‘ : 2-6=‘;0 2*+‘62‘6.0‘ 3‘O 2/ 3‘ -"3&$'#838'D ‘7/0‘7 ‘ 4-6/7 ,**

%-$3!/23'2'‘ 80‘6.0,/‘1/210/6,0-‘62‘ 75/,3‘?0-,57*6‘7*3‘ 3/7-6,5‘-4 ;-67*50-‘ %-$3!/22/‘)'2/8)"/‘ D 29080O3‘2/‘ : 0/,57*‘ 4//7*6F‘7‘*76,?0‘2‘ 2/6.‘ : 0/,57‘.7-‘ ;00*‘ *764/7 ,M03‘ ,*‘6.0‘ 7*30-J,6-‘ 75/,3‘07?0-‘,6-‘/226‘7*3‘4*/,10‘ ;0//,0-‘7/0‘7‘ -6/2*+‘14/+76,?0‘ 6-‘/,10‘ ;0//,0-‘52*67,*‘7‘14/1 0‘4,50‘ 8..5.‘,-‘;=‘*2‘ : 07*-‘,**25424-‘7*3‘8..5.‘,-‘,,*1/430*6=‘4-03‘62‘52 24/‘52* 056,2*2,=‘7*3‘8,*0‘2/ 8..5.‘/07-2*‘6.0‘2/64+40-0‘ 2?0/*:0*6‘.7-‘2/;,330*‘,6-‘54 64/0‘ 0?0/6.0 0--‘6.0‘=24*+‘07?0-‘2‘ 6.,-‘-105,0-‘7*3‘2‘,6-‘52*+0*0/-‘G ‘'&29!'8$/5 " F‘7,0‘03,; 0‘8.0*‘522903‘ ‘)"/&$#2/‘+/28-‘7:2*+‘ /259-‘,*‘ .,,‘7*3‘6.0‘*76,?0-‘5.08‘,6-‘/226‘7-‘7‘14/+76,?0‘ 2:0‘ %-$3!/22'/‘; 7590*‘,*‘3/=,*+‘D 2-,07‘ 2%/$32/".##& ‘ '$#('"#''‘5 /0/ 7/97; 0‘ 2/‘6.0,/‘7 ,75024-‘- :0 ‘7/0‘4-03‘,*‘32 : 0-6,5‘ : 03,5,*0‘;= : 0/,57*-‘7-‘7*6, 0; /, 0‘3,71.2/06,5‘3,4/06,5‘7*3‘?0/ :, 4+0

_ .0‘;0//,0-‘2‘ %-$3!/22/‘32$/8)"/‘7/0‘4-03‘7-‘-271‘,*‘6.0‘O 0-6‘ *3,0-‘ #"298#/‘)#3#2/5‘7‘6/00‘2‘ 7‘ 767‘,-‘*28‘0G60*-,?0=‘54 6,?7603‘,*‘6.0‘-246..‘2‘ 17,*‘7-‘ 0 7 -2 : ;, 7‘7*3‘,-‘7‘52*-1,5424-‘0764/0‘ ,*‘6.0‘+7/30*-‘76‘ ,;/7 67/‘8.0/0‘,6-‘6/4*9-‘0*2/ : 24-=‘-82 0*‘76‘6.0‘;7-0‘766/756‘4*,?0/-7‘7660*6,2*J 6.0‘6/00‘,-‘2‘ : 2-6/71,3‘+/286.‘ ;46‘$%''‘8223‘,-‘?0/=‘-12*+=‘ .0‘=24*+‘-.226-‘7*3‘07?0-‘2‘ %-$3!/22/‘)#3#2/‘7/0/052 : : 0*303‘2/‘54 6,?76,2*‘7-‘7‘126.0/;‘;0,*+‘0760*‘522903‘ ,90‘7-17/7+4-‘,*‘6.0‘ *,603‘ 6760-‘7-‘7/0‘6.2-0‘2‘ ‘/2#83&/‘,*‘6.0‘ ,: 7 7=7-‘ .0‘64/*,1 -.7103‘/226‘2‘ ‘)"/&$#2/‘,-‘7‘?,2 0*6 3/7-6,5‘14/+0CB * S

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2?7/= 3,-6,*56 2/ : 2/0 2/ 0--4*,603 ?0/= /7/0 =73.0/0*6 62 6.0 7*+ 0- 2 6.0 2?7/=J &$#7 /& -, : 1 0 571,6760 2/ 3,-52,3 -2 : 06, : 0- 076.0/= 2/ 10*,5, 760J -2 ,67/= ;7-, 7/ 2/6.26/2124- 0/056 /7/0 = 10*34 24- /2 : 7 ;7-7 4*,5 0 8,6. 6.0 : ,5/2 1= 0 328*87/3- ;46 7 87=- 0/056 8.0* /,10 $ / 2/ 02 : 1/0--03 076,54 7/ (% +2*24- 8,6. 1/2 056,*+ 2/ 2;64-0 7*+ 0- -2 : 06, : 0- 8,*+03 0*6,/0 6226.03 2/ -1,*= /7/0 = *7903 4-47 = 52?0/03 ;= 6.0 755/0-50*6 7*3 - *,06, : 0- 0-.= 10/,7*6. 52* 2/ : 7; 0 62 6.0 50 0/056 /00 2/ 73*760 62 6.0 0*3257/1J $'&$/ : 0 : ;/7*24-J %#!< ;7-, 7/ 7/+0J /!,9 '8 21,24- 7/,*75024- /7/0 = -4; 0-.= 7*3 -57*6= " - ! 7*6,6/2124- 54/?03 7*3 711/0--03 62 6.0 -,30 2 6.0 7 ;4 : 0* 2/ -6/7,+.6 7*3 7G, 0 ,* 6.0 7 ;4 : 0*J 23$-!')38& ,*07/ 2/ 2?7 ,*54 : ;0*6 2/ 7554 : ;0*6 -2 : 06, : 0- 7/+0 = 2 ,75024- 0G724-J "/)#2!' -410/,2/

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C / 98?d# 08 8*89 A C0 A:*B0@?# / +7 ;* H 08 B089 0 / 989=+@>@ *8 ;-0E @489 * A5 N C*8+ +9 +*B9;? Q -*8A 899 0-@ 9 >*? *8# 9894+ B>8A0 ;4 @=9= ;* ?4*;+A * >@B9; 1 4789*? 0>?0 9+9

?,2+2*4*, G=6.027 0 : 7574 ,- .2/,M7*6 7 ?0/2-60+,7

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0 / 98? / C0 A:*B0@?D ;-0 @489 +*B9;? H Q# @?@* A N 08 # 8*89 A H HO -*8A 899 08 8*89 A *=7989;+ >9 0 /[0-@ 9 >*? *8# 9894+ + C@ 9? 04789*+9

7 ,+2*46* : 0G 4.0*;056,7 P .04 : P 4 : 0G
P 2552 2;7 7+21=/4 : G=/ 7 P 6/71.7G,- /,1 7/,-
G=+2*4 : P 2 =+2*4 : 41/05.6,

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0-@ 9 C9;=@ 0@? 80B *> >*?* @; 4 9# 9894+ /79;8 C9 1 4789*? 08 0>?0 9+9 +9B? @?@* A /00=A# 4 B> ;:# @8; ?79=/ +7 +9;=8 ?

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280/- 3,205,24- 12 =7*3/247 * A5 0 N C*8+ +9 -*8A *=7989;+ 1 5./07- $

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3!-7 #'2 ' /0' 5 07/ =' -017/7603' /2 :' 7 '6.0' -)3&.'" '/' 8,6.' 7/,*75024-' 7 ;4 : 0*' ;='6.0,/' 2/6.2 ' 6/2124-' 2?4 0' 7*3' 7*6,6/2124-' 0 : ; /=2 ' .0=' 7/0' 4/6.0/' 3,-6,*+4,-.03' /2 :' %'83.3)' ' 7*3' /"/8> $/2'2'' ;='6.0,/'60/*7/=' 2/7' 8 .2/ -' 6.0' 2 60*' 52 24/03' 10/,7*6.' 7*3' 6.0' 1/0?7 0*50' 2 ' 6.0' 25 ./07 ' .0' 6/,;0' 2 ' "#3738'2&5 6.0' 280/-' 2 ' 8 .,5.' .7?0' 7*' ,*?2 45/0' 711/275.' *07/0/' 62' %-$3!/2222'5 .46' 7/0' -017/7603' ;='6.0' -410/,2/' /73,5 0' 3!-72 '2'' 7/0' 7 -2' 52**05603' 8,6.' 7/=21] = ",-'6./24+.' /"38-2%#'2' 5 7*3' .7?0' 7 -2' -2 : 0' 7 ,,*,6='8,6.' !9 ,/7#8'$&'D8.,5.' -00F

3!-738'2 ' : 2-6 =' ,* .7 ; ,6' 6.0' *2/6.' 60 : 10/760' .0 : ,-1.0/0J 6.0='7/0' 0--' /0>40*6' ,*' 6.0' 6/21,5-' .0='7/0' /460-50*6' 2/' 7/ ; 2/0-50*6',*' 0*6/7' : 0/,57' 7*3C ; 052 : 0' /7/0' -246.' 2 '6.0' 6/21,5' 2 ' 71/,52/*' .0' 6/,;0' 2 ' "#37 #''' ,-' 1/,*5,17 =' 2/6.' : 0/,57*' 7*3' .,,7*' "988#2%#/' ,*.7 ;,6-' 7/2 ,*7' 7*3' 8$#7389-8' 0G,52' .0' .4;7/;-' D+%'9"8' +/28' 2*' 6.0' : 24*67,*-' 2 ' 0*6/7' -,7' 7*3' 2/6.' *3,7' .0' 8123='+0*0/7' /!!#73 ' 7*3' $"/.%/?#&' D "/73.-8# 5' +/28',*' 6.0' 1 7,*-' 2 ' 0*6/7' -,7' 3223!3,/5 "#.!$$"#&5 "5 ' 7/0' 7/+0' 6/00-' 2 ' 6/21,57' : 0/,57J' *3'8#7#/5 7' :,*460' .0/;' _7*3' ?-"#2#Y5 7/0' -4; 7/56,5' 7*3' 7/56,5' .0' *4 : 0/24-' -105,0-' 2 ' 3!-7389 ' 7*3' 9 '?' 7/0' -57660/03' 0?0/=H 8.0/0' /2 :' 6.0' -07 -.2/0' 62' 6.0' -*28 ,*0' G+9!#!' %'3%#/' #&' 4-6/7,7*' - '"#/' 7*3' $M('2 #/' /7M,,7* S

.0' 1/210/6,0-' 2 ' 6.0' +0*0/7 ' 2 ' 3!-73832'' -4-67,*' 6.0,/' 7 ,*,6,0-' .0,/' .0/;7+0' 52*67,*-' 2G7 ,5' 5,6/,5' 7*3' : 7 ,5' 75,3-' 7*3',-' 03,; 0' 2/' : 03,5,*7 ' .0' -003-' 2 '-2 : 0' 7;24*3',*' -67,05.' 6.0' /226' 2 ' : 2-6' 52*67,*-' 7-6/,*+0*6' : 7660/-J' -2 : 06,: 0-' 51 : ;,*03' 8,6.' 7' /0-,*24-' 1/,*5,1 0' 62' 8.,5.' 6.0='280' : 03,5,*7 ' 1/210/6,0-' 6.76' .7?0' ;00*' /052+*,M03' /2 :' 6.0' .,+.0-6' 7*6,>4,6=J' 6.0' : 2-6' ,: 12/67*6' 2 ' 6.0-0' ,-' .4.7/;' 8.,5.',-' 3,-6,*+4,-.03' /2 :' 7 ' 26.0/' 14/+76,?0-' ;=',6['/0-62/76,?0' 756,2*' 2*' 6.0' 4*56,2*-' 2 '6.0' -62 : 75.J',6',-' 4/6.0/' 7*' 7*6,3=-0*60/,5' 7*3' ?0/ : , 4+0' .0' ;267*,57' .,-62/=' 2 '6.0' .4;7/;' P.,-' 2;-54/0J ,*' 6.0' 60*6.' 50*64/=' 6.0' /7;-' /050,?03',6' /2 :'6.0' .,*0-0' 7*3'-1/073',6' 6./24+.' 4/210' ;46' 6.0' .,*0-0' 2* =' ?7+40 =',*3,57603',6-' .7;,676' 7*3' ;267*,-6-' .7?0' 2*+' 324;603' 62' 8.76' -105,0-',6';0 2*+-' .0' /226' 2 ' %'9 ' /9+"/!'5 7' ,: 7 7=7*' -105,0-' 54 6,?7603' 76' 7 54667' .7-' 6.0' 305,303' - : 0 ' 7*3' ;,660/ ' 62*,5' 67-60' 2 '6.0' /226-' 6.0' .,*0-0' -0 '62' 6.0' 4--,7*-' 7*3' ,90',6',6' +/760-' 4*30/' 6.0' 6006.J 73303' 62' 8.,5.'6.0' 2/:' 2 ',6-' 07?0-' 7+/00-' 8,6.' 6.0' 30-5/,16,2*' 8.,5.' 6.0' *76,?0-' 2 ' 29.7/7' +7?0' 2 '6.0' 6/40' .4;7/;' 62' 6.0',4-6/,24-' *764/7,-6' 7 7-J' %'9 ' %/.38$#'9 5' 6.0' -105,0-' 2/,+,*7 =' 9*28*' 62' 6.0' 7*5,0*6-' 7-' %/5' +/28-' 8,3',*' 7*5,0*6' ./750' 7*3' 2*' 6.0' -.2/0-' 2 '6.0' 4G,*0J,6' 87-' 57 03' 760/' %/>.3$)#29 5' 62' 3,-6,*+4,-.',6' /2 :' 6.0' 5=6.,7*' .4;7/;' 8.,5.' 6.0='57 03' %/>%/'"%/ 5' 8.0*50' 24/' *7 : 0' 2 ' .4.7/;' *' 4/210' 7*3' 0-105,7 =',*' 0//,,7*=' 7*3' *+ 7*3' -0?0/7' ?7/,06,0-' 2 ' %/-3A#$#29 ' 7*3' ' 98)9!/$$# ' 7/0' 54 6,?7603' 2*' 75524*6' 2 '6.0' 1 07-7*6' 75,3' 67-60' 2 '6.0,/' 07?0-' 6.0' 106,2 0' 7*3' 1/,*5,17' *0/?0-' ' 8.,5.' 7/0' 4-03',*' 67/6-' 7*3' 1/0-0/?0-' _ .0' /226' 2 '6.0' 2/:0/' 4/*,-.0-' 6.0' *+ ,-.' : 03,5,*7 ' .4;7/;' 7*3',-' 0G60*-,?0 ='+/28*';26.' 7-' 7' -4;-6,6460' 2/' 6.0' /,0*67 ' 7*3' 7 -2' 62' 734 60/760',6 B * S

9 '?',-' 3,?,303',*62' 682' 3,-6,*56'+/241-@6.0' 2*0' 6.0' 2//0 -' D ' 2'$3&/5' &29$/$9 5' "5 F'52*67,*,*+' 2G7 760' 2 ' 1267-.',*' 6.0' -60 :' 7*3' 07?0-' 8.0*50' 6.0,/' 75,3' 67-60' 7*3' 6.0,/' 4-0' 7-' 223' 7*3' 6.0,/' 7G76,?0' 1/210/6,0-J 6.0,/' /226',-' /03' 7*3' -50*6 0--' .0' 26.0/-' 6.0' 259-' G './$#'8$#/5' />#&.9&5' /M9/$#29&5' "5 F' .7?0' =0 28' 7*3C-50*603' ;,660/' /226-' 52*67,*,*+' -4 1.4/' 8.,5.' 7/0' 4-03' 7-' 3014/76,?0-' 7*3' 7*6,H -52/;46,5-

2 : 0',*3,+0*24-' 3!-738/' D ' #&$3"$85' -)"3.#.'"5 '")2 #/5' /(#29!/"'5' / .%#,#9 4 5' 80/0' 2/ : 0/ =' 4-03' : 03,5,*7 =' ;46'7 '.7?0' 7 0*',*62' 3,-4-0' 0G5016' 6.0' ,-62/6' D ' #&$3"$) 5' 6.0' 68,-603' /226' 2 '8.,5.' ,-' 7*' 7-6/,*+0*6' 62*,5' ' &!-.$#29 ',-',*' +/076' /01460',*' /7M,' 2*' 75524*6' 2 '6.0' 7-6/,*+0*6' 1/210/6,0-' 2 ' 6.0' .0/;7+0' 7*3' /226' .0' *76,?0-' 2 ' 2 2 : ;,7' 0 : 1 2=' 7' 305256,2*' 2 ' ' $/ 8#:3 9 ' 2/' .70 : 2//.7+0' ' .'":3 /$9 ',-' 24687/3 =' 711,03',*' 25.,*' .,*7' 2/' 64 : 24/-' 7*3' -9,*' 3,-07-0-' ' 232%#82%#8'8&'5 73 : ,*,-60/03' 7-' 7' 621,5' 7*3' 7' 3/,*9',-' 52*-,30/03' 62' ;0' 7*' 0 ,575,24-' /0 : 03=' 2/' -80 ,*+-' 2 '6.0' 9*00' 7 52 : : 2*' 7*3' 2;-6,*760' 3,-07-0',*' 25.,*' .,*7' .0' 64;0/24-' /226' 2 ' ' 8 !$# #3"9 ',-' 7' /01460 3' 52/3,7' ,*' !717*' '%'' "%3#)/!'' 52*67,*-' 7*' 75/,3' 1/,*5,1 0' 7*3',-' 4-03' ;=C 6.0' /7M,,7*-' 7-' 7' 52*3,: 0*6' 7*3' 7-' 7' 621,57' 711,576,2*' 8,*' ;76.-' 2/' /.04 : 76,5' 17,*-

4598.076' G /73.-" 8' '&29!'8$9 5' 2/' 759' O .076',-' ?7 47;0' 2/' 6.0' 7;4*37*6' 7*3' 0G50 0*6

C O,6.,*' 6.0' 7-6' 682' =07/-' 6.0' 6/40' .4.7/;' 1 7*6' .7-' ;00*' ,*6/234503',*62' /7*50' ;='6.0' .,*0-0' : ,--,2*7/,0-',*' 7-6' ,;06'7*3' *7 : 03' '3:#2#8/!'5' 7, 2* B *

7/,*7' 2 ',6-' -003 ' 8 ,,5 . ',-' 7' -4 ; -6,6460' 2/' 6 . 76' 2 '6 ; 0' 50/07 -' 6' ,-' 7' *76,?0' 2 ' 2/6 . ' -,7 ' +/28 -' ,*' 6 . 0' 122/0-6' -2, ' /0>4,/0-' ,66 0' 57/0' ,*' 54 6,?76,2* ' /,10*-' >4,59 = ' 7*3' ,-' *28 ' 0G60*-,?0 =' +/28*' ,*' 6 . 0' : 2-6' -60/, 0' 524*6/,0-' 2 ' 4/210J ,6' ,-' 7 -2' 4-03' 2/' 003,*+' 28 -' 7*3' ;00-' ,*3' 7' 521,24-' -411 =' 2 ' .2*0=' ,*' ,6-' 280/-' *26 . 0/' -105,0-' 2 ' 4598 . 076' D ' $/$/"#29 ' ,-' 54 6,?7603' 8 ,6 . ' 6 . 0' 1/0503,*+J ,6' ,-' . 7/3,0/ ' 7*3' -455003-' 2*' . ,+ . ' : 24*67,*-' ; 46' ,6-' 7/,*7' ,-' - ,+ . 6 =' ; ,660/ ' . 0' 07?0-' 2 ' 50/67,*' 2 =+2*4 : -' =,0 3' 7' 3=0 -64 J 7-' ' $#82$3"#9 5' 54 6,?7603' /2 : ' 6, : 0' , : : 0 : 2/,7 ' ,*' . ,*7' 2/' 6 . 0' 0G6/756,2*' 2 '7' ; 40' 3=0,*+' -4 ; -67*50' ,30*6,57 ' 8 ,6 . ' ,*3,+2J 6-' 54 6,?76,2*' 87-' ,*6/234503' ,*62' /7*50' ,*' &(' 3223!3%/' 8(#:'"/5' 6 . 0' 07-,30' /710 ',-' 7' O 0-6' *3,7*' 7*3' 246 . ' : 0/,57*' ,662/7 ' - . /4 ; ' 8 . 2-0' ,*-1,--7603' 4,50 ' 57 03' : 0/,57*' ,*2' 7*3' 7 -0' . 767*=' ,-' 7' -6/2*+' 7-6/,*+0*6 ' / #7 9 ' /!!/&#/' ,-' 7' - : 7 ' 07 0--' 6/00' +/28,*+' ,*' 6 . 0' -7*3-' 2 ' 246 . ' ,;0/,7 ' 8 . 2-0' 522903' /226' =,0 3-' 7' +4 :' 7*3' : 45, 7+0 ' 8 . ,5 . ' 6 . 0' 7 : 459-' 076' 62' -67=' 6 . 0,/' . 4*+0/J 6 . 0=' 7 -2' 71107-0' 6 . 0,/' 6 . ,/-6' 8 ,6 . ' ,6-' =24*+' - . 226-' 7*3' 75,34 24-' /4,6-' _ 2 : 0' 2 =+2*4 : -' D7-' ' -)"3 . #. '"' 7/0' -2' 75/,3' 7-' 62' ; ,-60/' 6 . 0' -9,* ' 9 '? /!.# $&5 2/' 2*9#' . 4 ; 7/ ; ' 7' 4/2107*' -105,0-' 87-' 2/ : 0/ =' ,*' +/076' /01460' ' &29$/$9&' ,-' -6, ' : 45 . ' 54 6,?7603' 7-' 7' 2//0 ' . 0' 07?0-' 2 ' ?-"#/'"'8#:3" #& 7/0' 7' : 2-6' +/760 4 ' 75,3 B " :

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$ - ! 4' 9&&#'9 5 $- ! ! 4' 0/<60C 67 6 B - M4 "

98>*490@?' 08' ?@ 8@+ 40?9' 4 ?0B9+ B9?' 8@+0?99 ; +#' : *>8T @?# C@>9?49 ; +' 08' /00 A' -' *; =' & ! ' 0 +9 ; ' = @?9# A ; =8 4' 08' ?@> *; : @ *8# 40 ; + ; @0@?' 08' D0 ; +9=# 9894+' 08' *?49 ; = ; : # ?0B9+ B9?' + / ; ; :' G /,!#$ / ' ' 0CC0? +9' 08' * +98 ; *+9# ? BC 9# ?9?? 9' 08' ?708+ A' C9+ 0 9=# B9B>8*@0@?' 08' *' ++ 9' 9?7A# @?@* A' 9 ; + 89J &$#.9!'& ' 0 8 ' ?B* # 89 : @ *8' 08' ?@> 89 : @ *8# +' 08' = 4 ; 0@?# ?9?? 9# ?0 +*8A' 08' ; ' : 0B98@ 9?' 79*=?' 08' ?C F9#\# +79' *+98* ' ; 9?' ?0B9+ B9?' *889?+9=' 08' =9-9 0C9=' ; +0' 489?+?' * / ; ?' 08' 700F9=' 7* 8?'' ,"/2$& M# 8*89 A' # @?; * A' 40 ; + : @0@?# +79' 0 / 9?+' *8 : 9?+# @?@* A' C98? ?+9 ; +# 8*89 A' 9* A# +79' *+98* ' -98A' 0 +9 ; ' F99 9=# 40 ; 4*-9# ; 9-98' 9* A# ?4*8 0@?# =94 =@0@?' / +7' +79' 0 / 98 ' .' 0 ' M ' ?9C* ?# 08' -98A' 8*89 A' H' G+ '87' / 5 = ?+ ; 4+' 08' ?0B9+ B9?' B089' 08' 9??' 9 : 7989 ; +' * +' +79' >*?9# 9R@* ' 08' ?@> 9R@* # ?@> ?4*8 0@?# : *>80@?' 08' @8 ; ?79=' / +7' *4489?49 ; +' / 00 # C9+* 0 =' 08' : 899 ; ?7# C98? ?+9 ; +# ?9?+ -*+ 0 ; ' B>8 4*+9 ' ' ' - ' 7AC0 : A ; 0@?# ' 98+ 9# 0CC0? +9' +0' +79' ?9C* ?' G8*89 A' M' 08' 9 / 98I# / +7' 08' / +70@+' * +98 ; *+ ; : ' ?+*B ; 0=9?# * ' 899# 08' @ ; +9=' >9 0 /' ; ' *' 9 ; C' 08' +@>9' :#!/ '8$& 08B# ?@>@ *+9' 08' = *+9=# ?0B9+ B9?' M =''' &$/ #83)'& 9 ; + 89' 08' 8 ; : 9=# *+' 08' 8*89 A' 40 ; 4*-9# ?0B9+ B9?' -98A' ?B* ' * ; =' +00+7 ?7*C9=# 08' 0>@ *+9' /8$%'"& ; +808?9# H 49 9=# 9894+# 0-0 =' 08' ; 9*8# =08? 59=# =97 ?49 ; 49' 0 ; : +@= ; * ' % ' 899# 40BC89??9=# 8*89 A' =9C89??9=# H 9*8C9 9=# H 49 9=' &$-!'' +98B ; * # ? BC 9# -*8 9@?' ; ' 9 ; : +7# ?0B9+ B9?' 0>?0 9+9' &$#7 /' 4*C +*+9# 9B*8 : ; *+9# 0>9=' 08' M =' 3(9!'& H 08' B089# 4@8-9=# >*?* # 08' ?@?C9 ; =9=' ? ; : A' 80B' ?9C*8*+9' 9894+' @ ; 4 9?' ' #2"3 . -!'' ; 98 08' 14 ' @?@* A' 9 ; -9 0C9=' ; ' +79' 4* A5# ?0B9+ B9?' *' B9B>8* ; 0@?' ' 08' B089 ?99=9=' @+8 4 9# 08' 8@C+@8 ; : ' 889 : @ *8 A' 08' 4 84@B ?4 ??# 08' *' 4*8A0C? ?# 8*89 A' *' >988A' 9 ' @?@* A' ?0B9 / 7*+' 40BC89??9=# 89 ; 08B# -98+ 4* ' $=&$/' 48@?+*490@?

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/"/8$/3'2'',*'6.0,/'0 : ;/=2'7*3' 7/,*75024-' 7 ;4 : 0*' 7/0' *07/' %/83.3)'2 5' 2 !!'2 5' %-$3!/23'2&5' 7*3' /"38-2%#'''5' .0,/' 7 ,*,6=' 8,6.' % 3.3)'2",-'-2' 5 2-0' D6.0' 7660/' 2* =' 3, 0/,*+' ,*' 6.0,/' 3,-6,*56' -6= 0-' 7*3' .0/;75024-' 57 =G' 6.76',6',-' 3, ,54 6' 62' 3/78' 7' 5 07/' 3,7+*2-,-' ;06800*' 6.0*\,' 7 6.24+.' 6.0=' 7/0' 8,30 =' -017/7603';=' .7;,6' /&' '2" 3, 0/',*' .7;,6' 10/,+=*24-' -67 : 0*-' 4-47 =' 5+;,5.' 12 0*' " 5 J %-$3!/32'2'5' ,*' 6.0,/' 8.2/ 03' 2?7/,0-' ;2/*0' 2*' 7' +=*21.2/0J /" -2%#'/5',*' 6.0,/' -57 0 ,90' 1067 -' 10/,+=*24-' -67 : 0*-' -57,,24-' -6,14 0-' "5

$:#/"/8$/2'#'' 7/0' : 2-6 =' 6/21,57 ' ;46' 7/0' *26' /7/0',*' -4; 6/21,57' /0+,2*-E ?0/=' 08' 7/0' : 06' 8,6.' ,*' 6.0' _*2/6.S' 60 : 10/760' G2*0' 7*3' 6.0=' 7/0' 7;-2 460 =' 87*6,*+',*' 23' 524*6/,0-' _ 7*=' 7/0' 4-6/7 ,7* S' 7/,24-' /"/8$/2'/' 52*67,*' : 45, 7+0' 7*3' -6,+7/' 7*3' 7/0' .0*50' 7 , : 0*67/=' 7*3' 0 : 2 ,0*6E -2 : 0' 7/0' - ,+.6 =' 7-6/,*+0*6' 26.0/' 3,71.2/06,5' 7*3' 3,4/06,5' 2/' 62*,5' 7*3' -6, : 4 76,*+' /"/8$9&' !#$9 ' ,-' 0760*' 7-' 7' -1,*75.',*' 6.0' -246.' 2' 4/210' 7-' 7/0 26.0/' -105,0-' ,*' .,*7' 7*3' *3,7' 8.0/0' 6.0' *76,?0-' 7;-67,*' /2:' 7*, : 7' 223' 3 .%"'84/' 7!3,3&/5' '!3&#/' /"7'8$'/' 7*3' /"7/"#$/2'/5' '"(/' !/8/!/5' "5' 7/0' 4-03' 7-' /0-2 ?0*6-' .0' 280/-' 2' 6 PED EoDT 112 0E$2:C=, /0ZZ7-6/,*+0*6' 7*3' i/0-5*; ' ' 3,7//.207' : 0*2//.7+,7' ?2 :,6.,+' 2';223' "2' .0' 64;0/2*-' /226-' 2', .%>'8/' 3#::#'#8/!#&7*3' /'"3>A' 2'.%/!/5' /2:' /7M,' 7/0' 62*,5' 7*3' -6, : 4 76,*+' 7*3' 7/0' .0*50' /0+7/303' 7-' 7' 17*7507' 7*3' 4*30/' 6.0' *7 : 0' 2'./"/$9)3'6.0=' 7/0' 7' /014603' /0 : 03=' 2/' 8079*0--' 2'6.0' -62 : 75.' 7*3',*60-6,*0-' 7*3' 7/0' 0-105,7 =' 4-03' 7-' 7' 0;/, 4+0' /"/8$9&:"9 '8$/2'9&7*3' 83")/8/' 7/0' 54 6,?7603',*' 6.0' , : 7 7=7-' 2*' 75524*6' 2'6.0,/' 03,; 0' -003-

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0 8 ' +' 3'')#2!#839&' 8# %'",/2'39&5"'79!/"5' > >H>.%-!!39&5'.'"&#&K $'8$' - ' &9,>.'"#7-839&' 3'' %-.37-839&5'79/!' /8)'3..3&#$'' $3' $%'' &'.)!&5' 3'':'<'"' 4% ' N>2'!!')5' N>3(9)E' ' 29"(')' " -! ' /889!/'' 3'' &'"/#4/889!/"5' 3'' &.#"/!!-' 2)#!')' $!<-&#' 9&9/!!-':/"#8/2'39&5' &3 '$# '&' $

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0/;75024-'-4 /460-50*6'2/' /7/0 =' /, 60-20*6' 4' + 7;/24-' 14;0-50*6' 2/' 8223=' -' 5=,*3/,5' 2/' 7*+4 7/' 0/056' 2/' 7-50*3,*+' 52*6,*424-' 7*3' 07 =' 2/' 7/6,54 760' 7*3'2 60*' 71.= 24-' '7 60/*760' /7/0 =' 2112-,60' -,:1 0' -0--,0' 2/' 106,2 03' 4-47 =' 76' 0*6,/0' 6226.03' -,*4760' 2/' 546' -2:06,:0-' 0-.=' -0:,5=,*3/,2' 2/' 5=,*3/,5' J &$#.9!'& $' " 8 ' E' -:7 ' /0+4 7/' 2 60*' 3,:2/1.24-' G $"#.!'?' 1' -2:06,:0-' 3,5,*24-' 2/' 12 =+7:24-' -0--,0' 2/' 103,00 03' -2,67/=' 2/' ?7/,24-=

: : 0B98+9=# *5 *8A' 08' +98B ;* # 8*4+9*+9' *;=' >8*4+90 *+9' 08' ;*F9= ' .' 0 ' I5 M# ' ?9C* ?' G8*89 A' I# B089' 08' 9??' 40 989;+' *+' +>9 8' >*?9# 798>*490@?# :899; ?7# B>8 4*+9' ;' *9?+ -*+ 0;# ?0B9+ B9?' >940B ;:' 9?7A' *;=' >*44 08B' * +98' 0 / 98 ;:# 08' =8A' *;=' 4*C?@ *8 ' ' - ' @?@* A' 7AC0:A;0@?# 08' *+' +79' >0++0B' 0 '+79' 4* A5# N# 08' 8*89 A' 9 / 98' >A' *889?+# * ' 98+ 9' *;=' 0CC0? +9' +0' +79' ?9C* ?' :#!/K '8&& 08B' 08' ?@>@ *+9# @?@* A' 899# ?0B9+ B9?' ?708+ A' @; +9=' ;+0' *' 4@C' &$/ #>' 83)'& G ;' ?0B9' :9;98*I' -98A'XB* # C *49=' >9+/99;' +79' *B9;+?' G 8/,/&#&5 U4 I' /8%'"& 49 9=# 0-0 =' 08' 0> 0;:# ;+8082?9# =97 ?49;49' 0;: + +=;* # 40;;94+ -9' ?0B9E + B9?' -9? 4@ *8' *>0-9' +79' 49 ?' G %-&37'$38 ' % 1 ' 0-0 =# 08' =9C89??9= : 0>0?9# @?@* A' 899# -98A' 8*89 A' *=7989;+' >A' +79' >*?9# H 49 9="' &$#7 /& # = ?+ ;4+# 08' 407989;+' *+' +79' >*?9' 3(9!"' 4*BCA 0+80C0@?# ?9?? 9' *+' +79' >0++0B' 0 '+79' 49 # 08' 59=' *+98* A# 08' C9;=@ 0@?' +0' *' ?7082+' @; 4 9# B 480CA 9' *4 ;:' +79' >*?9# 4 84@BE 989;49' 08' +0C' 0 '+79' 0-*8A' 0 ' *' @+8 4 9' 08' 4*8A0C? ?# 08' 8*89 A' *' >988A# ;4 @=9=' ;'+79' -*8 0@? A' B0= 9=' 08' @;47*;:9=' 4* A5' ' 708 <0;+*' 08' -98+ 4* # 9894+' 08' ;-98+9=# 9;+ 4@ *8' 08' 89; 08B # ;+9:@B9;+' =0@> 9# 0 '*' 48@?+*490@?' +9?+*' *;=' B9BE >8*;0@?' 9;=0C 9@8*# 08' ? BC 9' *;=' B9B>8*;0@?' /!,9 '8' 40C 0@?' 08' ?4*;+A' 08' ' G 8/,/&#&5 /!&3!/5 U4 I# @?@* A' *8 ;*490@?# -98A'8*89 A' ?@> 9?7A' " -! ' 4@8-9=' 08' *;;@ *8# *;=' ?@880@;= ;:'+79' * >@B9;# 08' 40 9=' ;+0' *' *+' ?C 8* # *;=' = - = ;:' +79' * >@B9;' ;+0' 'C*8+?# 08' 95* >@B ;0@?# *;=' 08B ;:' *' 40; 4*' ?C 8*' G /!S3!/ E "/)#2!"' *4 ;:'+79'7 @B ' 23$-!')38& C *;0 40;-95# ? 9;=98

b 79' 0 0/ ;:' ?' 0R@ ; *;=0;.?' 4 *?? 4*+ 0;' ;' I9' *;=0 9.'2 80=80B9?'. 1

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!!' ' 'B' * 2/0-50*50' *2/:7' 280/-' 4-47 = ' .2:2:2/1.24-' 003' 4-47 =' /00',*60+4:0*6' 324; 0 B 60:' *26' 2,*603' .07?0-' 1,0:;/7*24-' :2/0' 08' 0--' /.2:;2,3' !#%/73)#/5' _ '$/5' _ !#' .3)F #5' _ !#$< 5' =25

!!' ' . MB * 2/0-50*50' *2/:7' 280/-' S' N' 3,:2/1.24-' 003' /00' 2/' 73*760' 62' 6.0' 10/,57/1 B 60:' *26' 2,*603' 07?0-' :0:;/7*24-' :2/0' 2/' 0--' .7-6760' _ :"#.!'?5' %# #'5' _ .#8/2#/5' 9"3$#/5' "2

! ' ' - - KB * 2/0-50*50' *2/:7' 280/-' Q' 2/' S' [' .2:2:2/1.24-' 003' /00',*60+4:0*6' -,*+0 B 60:' *26' 2,*603' 07?0-' 0-.=' 2/' :0:;/7*24-' 60/060' 2/' ,*07/' 8#&/2/8$!#/5' 2!'"3F&58/5' / :#%3"3&)5' _*32+/5' 2+83.&#!9 5' "5

!!' ' - KB * 2/0-50*50' *2/:7' 280/-' .2:2:2/1.24-' 003' 4-47 =' 73*760' 62' 6.0' 10/,57/1 B 60:' *26' 2,*603' 07?0-' ,*07/' 52/,75024-' 7"#3.!(-!!< 5' 3"#&.'" 9 5' "2

!!' ,' ! !. B * 2/0-50*50' 7*2:7 24-' 280/' 'g .2:2:2/1.24- B 60:' 2,*603' 07?0-' -4554 0*6' -57 0,90' 2/' $' /!#23 #/5' /!328' <85' "$%"3'8' @< 5' "5

4; 2/30/' ' ! K 5 :;/=2' -1,/7' ;4:0*' -57*6=' 2/' $

!!' ' K !KB 280/-';/75602 760' 003' 8,6.' 7' 324; 0',*60+4:0*6' :;/=2' ,*' 7' 76' -1,/7' 2%/87#8#/5 <2')/5' !#'<.3)#8/5' '!<%'"#/5' =3

! ' ' KB 280/-';/7560760' 003' 8,6.' *' -,*+0',*60+4:0*6' :;/=2' ,*' 7' 52*,57' -1,/7 B 60:' 2,*603' 2/' *26' 07?0-' -4554 0*6' /"3?-!385' _' /!&3!/5' / 3>' 28' #&5' /!37'$385' $33'/5' 8/,/&#&5' "5 B " 4:

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;7-7 -2 ,67/=57/? 5 : ,5/21= 0 328*87/3- 2 ,*30 ,,-50*6 0*?0 2103 ,* 6;0 3/=2/ -*554 0*6 G /&'!!/ 57 =G 2?2,3 2/ *4; + 2;2-0 $'&$/ :0:;/7*24- /!,9 '8 7/,*75024- J" - ! 0,6.0/52, 03 ,*62 7 76 -1,/7 ;0680 0*6 82 7=0/- 2 7 ;4:0* 2/ 7**4 7/ 2/ ;2/-0-.20 -;7103 7*3 -4//24*3,*+ 7 521,24- 7 ;4:0*J A23$-!')38& 1 7*2 52*?0G -2,*06,:0- -4; 2 ,75024-J "/)#2!'30-50*3,*+

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#/&)% 7/0 ,*60/:03,760 ;0680 0* %'83.3)#'2 7*3 /"/8$/2'''E 6.0= -2:08.76 /0-0:;0 3":9 4/2'2 7*3 50/67,* 3%@738'2 ,* 6.0,/5,:;,*+ -60: ;46 6.0=7/0 -017/7603 /2:7 7 6.0-0 7:,0- ;=6.0,/ 7;,6 6.0,/ -60:6 8,*,*+ 62 6.0 /,+.6 6.0,/ 10/-,-60*6 7*3 2 60* 8,*+03 ;/756- -7+,66760 7*6.0/- ,7:0*6- 3,7603 ;0 28 " 5

/&'!!' 7/0 *76,?0- 2 :0/,57 7*3 6/21,57 -,7 2:0 -105,0- 2 /WW'!!/5 8.,5.' 7/0 0760* ,* .,*7 623 *3,7 .7?0 ;00* ,*6/234503 ,*62 4/210 7*3 6.0/0 54 6,?7603 7- 126.0/;- 4*30/ 6.0 *7:0 2 03 1,*75.'D * *RE/7F 7*3 O .,60 1,*75.'D /!,/ J 6.0 ;0//,0- 2 6.0 ,/-6 =,0 3 7 6,*0 /03 ;46 4+,6,?0 52 24/

. 0 -67/5.= /226 2 !!929&$9,'"3&9&5 8.,5.',-4-03 2/ 223 ,* 0/4 .7- ;00* ,*6/234503 ,*62 /7*50 7*3 /052 : :0*303 7- 7 -4;-6,6460 2/ 6.0 26762

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B3"']#' . ' '" #7 - 8 3 9 &5' / !$' '" 8 / $' '< #$%' $%' ' 2 / !- ?>!3 , ' &5' &3 ' $# ' &' L% ' = ' . ' '" #7 - 8 3 9 &5

/"38-2%#'2 7/0 7 -2 52**05603 8,6. 3"$9!/3'2" ;= 6;0,/ 5?,/?03 2?4 0 7*3 7/,*75024- 7 ;4 : 0*J ;46 6.0 7660/ 7/0 -4 ,5,0*6 = 3,-6,*+4,-.03 ;= 6.0,/ 4+75,24- 1067 - 4-47 = -0?0/7 50 03 2?7/= 8,6. -0?0/7 2?4 03 50 - .7;,6 "5 .0= .7?0 -2 : 0 52**056,2* 8,6. /&'!!'/5 8.,5. 3, 0/ 0-105,7 = ,* 6.0,/68,*,*+ -60 : 324; 0 57 =G 3, 7603 , 7 : 0*6- "5 ,*7 = 6.0= 7/0 ,*903 8,6. 3!-738'2&;= 6.0 50 03 7*3 2?4 03 2?7/= 7*3 6.0 *764/0 2 6.0 -003 ;46 ;0-,30- 26.0/ 3, 0/0*50- ,* 3!-738'2" 6.0 2?4 0 ,- 2/6.26/2124-

/"38-2%#'2 7/0 3,-10/-03 2?0/ 6.0 60 : 10/760 /0+,2*- 2 6.0 *2/6.0/*.0 : ,-1.0/0 _2 60** ,*.7;,6,*+ 30-0/6- 7*3 ?0/= 3/= 1 750-S 08 7/0 2 4-0 62 : 7*@ 6.0 4164/0 82/6 D '8##/"#/' 7!/,"/ 5 7* ,*H 3,+0*24- 1 7*6 ,?,*+ ,** -7*3= -2, 87- 2/ : 0/ = 0-600 : 03 7- 7 3,4/06,5 7*3 ?4 *0/7/=J ,6 ,- *28 7 0* ,*62 3,-4-0

)'"/8$%9&.'#4'88#&5 8.,5. +/28- ,** -,,5024- 2/ +/7*,6,5 ,0 3- ,- 6.0 223 2 6.0 2 ,-. 25.,*07 8.,5. 2*+ -411 ,03 6.0 1 750 2 6.0 0G,57** 25.,*07 7- 7 /03 3=0

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; * ; ;@* ?@> ?@44@ 9;+ ! C9+ 0 9=# +>9 0 / 98 OCCO? +9# +>9 @CC98 * +98;*+9# 9;+ 89# C9;; +8 ;98-9=" &$#.9!'& @+# @; + ; :' +F9 >*?9? 0 +79 C9+ 0 9?' 0 8 ! B0;094 0@?# ?959? ?C8 ; : ; :' 80B = 989;+*5 ?" #',"/2$& M# ?9?? 96 9>8*9' +9*+9' 2 0' ' *;+980 CO?+98 08 9* 9+?# D@5+*CO?9=' ;' *9?+ -*+ 0;# 9-0 @+9 * +98 0/98;:' - # ;?98+9=' *+ +79 >*?9 0 +79 C98 *0+ 9* 9+?":#!/ '8$& 4*C *8A# 899 " /8$%'"& *+ 8?+' ;9*8# +79;' ?*: ++*+9# -98?*+ 9# 49 9=# =97 ?49;49 0;: +@= ;* ` 3 / 8 :9;98* A M# 8*89 A BO89 G+79 ;+98B9= *+9 0;` @?@* A *8:9?+# +79 *+98* ?0B9+ B9? BC98 94+I# ?9?? 9# @8; ?79=/ +7 *CO?+ 40@ >8*4+D

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7*60/,2/' 7*3' T' 760/7' ;/75602 0-' 2 ' 0G50*6/,5' 64;4 7/' -4; 5 7?760 (2;4 760'6/7?0/-03' ;='6;0' -6= 0';052:,*+' 760/7';='6.0'0* 7/+0:0*6'2'6.0'2?7/=' ? ' 00 03J &$-!'' 760/7'' &$#7 /' 5 7?760' 4*3,?,303J 3(9!'' -2,67/=';7-,7/' 57:1=26/21 4-' 2 ' 7' 3/410' ' .2/-0-.20 -.7103J $'&$/' :0:;/7*24-' " - ! %.22903',*'6.0' 7G,-'2'7' -4; 57/6,7+,*24-' 7;4:0*'' 23$-!')38&',*07/',*H 54:;0*6'J "/)#2!'' 5=,*3/,5',* 0/,2/

' 7'

.,-' +0*4-' 711/275.0-' "$#2' ' 7*3' /88/,#8'2&',*'3,5,*,-:',6-'-,*+0'10/,7*6.' 50 03' 2?4 03' 2?7/=';7-,7/' 2?4 0'5.7 M7' 52//0-12*3,*+' 62' 6.0'.,46*' 0-.='7;4:0*'7*3'-6,14 760' 07?0-J';46',*' $##2'2''6.0'2?7/=',-' /00'7*3'6.0' /4,6'/8'75.0*0' 6'7-2'/057 -'6.0'71067 24-' -2!3&.'" 2/5'7*3'0-105,,='6.0' '$"/7 #'2 5'6.0'2?7/='2'8.,5.',-',* 0/,2/J';46',6' 3, 0/-',*'6.0'*4:;0/'2'-67:0*-',*07/'7*6.0/-';7-,7/'2?4 0'*26' 7/,*75024-'7;4:0*''

%'!-7 9 ',-'7'1 7*6'2'6.0' 03,60//7*07*'/0+,2*J',6',-'-,+.6='75/,3'7*3'14/+76,?0'7*3' :,+.6';0 4-03'7-'7*',* 0/,2/'126.0/;

))) ' 7/ /, 6!6

P -' 7'8'"/5' 9&&#'9 5 - ' ' $ - M' " 5 - 4 8)!5' 9!/&8'

" ! ')#2!#839&5'/.'$/!39&' ' @' 3'" 3"'5'# ,"#2/$'' - ' ' #8K &'"$')' 38' /8'3.'8' 3'' 9"2'3!/$'" "'2'.$/29!/'" 29.9!'' ' ' Y>2'!!')5' N>3(9!')5' &98F'#8'$%'" 29.9!'5' 3'' &'/$')'38'#$E ' /8/$"3.39&' " ' /')"9.'' 3'" 89$'

))) ‘ <%'

, ' 0;O94 O@? ; O89?49;49

'C9'4*8C9
O8+ O;'O ' '8@ +'4!+'-98+ 4* A' 4@+'-98+ 4* A

A73!32#29 ‘
"98+ 4*'?94+ O;'O '
8@ +'GB*: I

> 9 '
R' O/98'GB*: I

;=8O94 @B' * ='0C9;'
GB*: I

65 55 & '
"98+ 4*'?94+ O;'O'
Q' O/98'GB*: I,

65 55 &
1' O/98'GB*: I

+*B9;'G/*: I

.'8)9!39&‘ #8‘ $%'‘)"9:'&5‘ '"'2$‘ #8‘ $%'‘ 89$&>5‘ ! - 1‘ 23.#39&5‘ " - ! ‘ /?#$'‘ 3'" ,/&#!/" 5 -‘<33)-‘ ‘3..3&#$'‘3'"<%3"!')5‘ '?&$#.9!/$'
‘2/‘7/2:76,5‘ ! ‘ ‘10/-,-60*6‘2112-,60‘2/‘(% *760 =‘8 ,2/ 03‘
?0/=‘/7/0 =‘7 60/*760‘0*6,/0‘ 2/‘6226.03‘ 106,2 03‘ 0G-6,14 760‘?0/=‘2 60*‘ 10 45,3‘
14*56760‘+ 7;/24-‘-, 9=‘52662*=‘2/‘-57 =‘ 0 ‘71067 4-‘4-47 =‘:2*205,24-‘
?0/=‘/7/0 =‘ E‘ # 3"$38#/‘ 2/‘12 =+7:24-‘G 3"-.%3"/5‘ $!#'"3&.'" /5‘ "5F‘-2,67/=

<%& 333" '

+0 : ,*760' 2/' ,*' /750 : 0-' 5= : 0-' 2/' 17*,5 0-' ; /7560760' J %"/2$'3!'&' 5734524-' " (
$ P $"' P2P "' 3,-52,3' 8' 4/502 760' /7/0 =' 571-4 7/' 4-47 =' 755/0-50*6' '
@4' 3054--760' 2/' / 7_7H ' ' : 7*= -0/,760', : ; /,5760', *' -0-6,?76,2*' - ' 4-47 ='
,*30 ,*,60' /7/0 =' &' G .%#..#/8)"/ ' 2/' E' G + 73$3?#29 5' ,*,*+' 6; 0' 87 ' 2 ' 6; 0' 5414 0'
,*' 6; 0' S' 280/-' 25541=,*+' 6; 0' 6./276' 2* =' ,*' 6.0' + ' /00' 7 ' 0/6, 0' 2/' -2 : 0' /0H
34503' 62' -67 : ,*230-J :#!/ '8$&' ,*07/' 7*3' , , 2/ : ' 2/' 3, 7603', *62' 7' 1067 2,3' 0 2*H
+7603' : 0 : ; /7*0' 2/' ?0/=' -.2/6' 7*3' *07/ =' $' *7903' 2/' T 7110*3,54 760' *07/' 6.0' ; 7-0'
2/' 6287/3-' 6.0' 50*6/0' J0/8$%'@"&' ,*6/2/-0' 2/' 0G6/2/-0' 4-47 =' 73*760' 62' 7*3' -.2/60/'
6.7*' 6.0' 52**056,?0' 50 -' 2112-,60' 30.,-5,*+' 0,6.0/' ; =' -017/760' 2/' 52* 40*6' -,6-' 2/'
6/7,, ?0/-0 =' ; =' T' 7-50*3,*+' ?7 ?4 0-J &$/ #83)'&' -,647603' 8,6.,*' 6.0' 0/6, 0' -67 : 0*-'
7*3' -2 : 06, : 0-' ; 07,#,*+' .7 '7*' 7*6.0/' ' *4 : 0/24-' 50 03' /00' -0--, 0' 2*'
6.0' -4/ 750' 2 '6.0' /05016754 7/' 5414 0' /7/0 =' -4*9' ,*',6-' 6.,590*03' 87 -' D ,3"/ E
3(9!'' 7*76/2124-' -2 : 06, : 0-' 10*34 24-' 7*3' 6.0*' -6= 0' 60/ : ,*7 ' ' -2 : 06, : 0-' 0/056' 7*3'
6.0*' -6= 0' 760/7' 2/' ; 7-, 7/' ' 2/' 4-410/ ,5,7' 2/' -4*9' ,*' 6.0' /05016754 7/'
5414 0' @)"9.'&' 3/=' 2/' 14 1=' 7*3' 232/, 0/24-' 8,6.' 7' 10*34 24-' 2/' 0/056' -003J 89$&'
8,6.' 7*' 0/056' -003' -2 : 06, : 0-' D 3"-.%3"/ ' 60/ : ,*7603' ; =' 7' 1 4 : 2-0' -6= 0' '
/00' ,*' 6.0' 3/410-' 73*760' 62' 6.0' 10/,57/1', *' 6.0' *46-J /!,9 '8' 521,24-' 0-.=' '
-2 : 06, : 0-' 2, =' " -! ;%-6/7,+.6' 7G, 0', *' 6.0' 10*34 24-' -003-' ; 7-, 7/' 7*3' : ,*460'
,*' 6.0' 0/056J 23$-!')38&' 3,?7/,5760

b 79' 0 0/ ; :' = ?C0? + 0 ;' 0 ' +79' : 9 ; 98*' 0 ' 0BBB494 ' ?' +7*+' 0 ' '%9' *; =0 9'
;' +79' 2 80=80B@?'.

! ' 6' P#"$M 5 20/,7*6.' ,+ ,90', *30.,-50*6' ?4 0' 0/056' #./"98/5' /! '8/

! ' ' -! "6 "F B 0/,7*6.' ,+ ,90a', *30.,-50*6' ?4 0' 10*34 24-' / >
%39:#&&/

!!' 666' -! K 5 20/,7*6.' ,+ ,90' 2/' -4; + 2; 2-0' 76' 0*+6.' 30.,-50*6' ?4 0'
10*34 24-' +38# #/5' .+..#/8)"/5' + /$!#2'/5' *#, /"/5' =3

!!' 6< ' ! ! "$M 5 20/,7*6.' -1/073, *+' /4,6' 3/4175024-' ?4 0' 10*34 24-
3"$38#5' ')# '/8 /5' 6'<$$ &' D:# 3!)3/

!!' <4' $ 2"" W 5 20/,7*6.' -1/073, *+' / 4,6' 7*' 75.0*0' ?4 0' 0/056
/9"2!#/5' 3"-.%3"/

! 3 ' %! ' 73$3/#238)' D ?$3?#2 84 B " :

C .0' 7 ,*,6,0-' 2 ' +38# #/2'2" .7?0' +,?0*' /,-0' 62' ?0/=' 3, 0/0*6' 21,*,2*-' ' 30' !4--,04' 8.2' 8.0*'
.,-' U 0*0/7' 7*67/4 : '# 87-' 14; ,-.03' 9*08' 2* =' ,3"/5' 1 7503', 6' *07/' #29&5,*' !"$#2''' J 8.0*' 760/'
.0' 9*08' +38# #/5' "3& /5' $%'"3&.'" /5' "5' .0' 4*,603' 6.0 : ' 8,6.' ,3"/', *62' 6.0' 7 : , =' 2 ' +38# #'2'5'
8.,5.' .0' 3,?,303', *62' 682' 6/,; 0-' 7552/3,*+' 62' 6.0' 3/4175024-' 2/' *46 ,90' 5.7/7560/' 2 '6.0' /4,6' 7*3' 8.,5.'
.0' -6, ' 1 7503' *07/' " 2'$'5

0' .73' 7 -2' *26,503' 6.0' 7 ,*,6=' 2 ' +38# #'2'' 8,6.' /!-' /8$%'2'5' 8,6.246' .280?0/' 2?0/ 229,*+' 6.0'
'52**056,2*' 2 ' 6.0' 7660/' 8,6.' 3&/2'2'' D-00' 17+0' YTF' ' /28*' -017/7603' +38# #'2'' /2 :' $%'"3>'
&.'" '2 45' .0' 1 7503' 6.0' 2/ : 0/' *07/' "$#2'2'5/&' !4--,04' .73' 32*0' 7*3' ; /24+.6' $%'"3&.'" '2'' *07/'
/9"#8'2'' 2*' 75524*6' 2 '6.0,/' 7/2 : 76,5' 1/210/6,0-' 7*3' 0-105,7 =' 6.0' -6/4564/0' 2 '6.0,/' 7*6.0/-' *3,5.0/'
,90' !4--,04' 1 7503' $%'"3&.'" '2'' 7*3' +38# #'2'' 62+06.0/' 7*3' ,90' /28*' .0' 1 7503' 6.0 : ' ;0 2/0'
/9"#8'2''' 4 6-*0' 6.0' 746.2/' 2 ' 7' 07/*03' : 2*2+/71.' 2 ' +38# #/2'2'5' 6., *9-' 6.76' 6.0=' 7/0' *07/0-6

C .,-' /0 : 7/97; 0' +0*4-' 7110*303' 62' +38# #/2'2'', -' ; =' 26.0/-' 3, 0/-' 8.2 =' /2 : '6.0' ,/-6*7 : 03',*'6.0' +0 : ,H
L-2 : 0' 746.2/-' 62' 9.%3",#/2'2" ; =' 26.0/-' 7*3' 62' !#2#8'#& *760' 2?4 0-' 324; 0' 10/,7*6.' 7*3' 01,3260' -57 0- B

62' 3&/2'2'5 6 . /24+ ,')!-2/8$%' /5 *268,66-67*3,*+'660' 7 60/*760' 07?0-' -6,14 0-' 7*3' 7 ; -0*50' 2 ' 7 ; 4 : 0*'
*' : 2-6' 3&/2' /' 6 . 0' 07?0-' 7/0' -, : 1 0' 7-', *' + 38# #/2' /J 6 . 0, /', * 2/0-50*50' 6 . 0' *4 : 0/,57' 6=10' 2 ' 6 . 0'
2/7' 0*?0 210-' 7*3' 10/,+=*24-' -67 : 0*-' 7/0' 6 . 0' -7 : 0' O ,6 .' /0+7/3' 62' 6 . 0' 1,-6, ' 6 . 0' 57/10 -' 2 ' 3&' '
7*3' 3 /2 ' /' 7/0' ,*5 4303', *' 7' /05016754 7/' 5414 0' ,90' 6 . 2-0' 2 ' #$"3& /5 + 38# #/5 7*3' $%' '"3&. '88/J
6 . 2-0' 2 ' '## '7*3' . #"/ /' 7/0 -07603' 2*' 7' 52*?0G' /0501675 0' 7-', *' + 3!!#8')#/' 7*3' ')-2/"-/5 7*3' 6 . 0' -7 : 0'
/0 76,2*' 0G, -6-' ; 06800*' /879#&3"%'2'' # > 3$)3/' 8,6 .' /0+7/3' 62' 6 . 0' 08*0--' 7*3' 12-,6,2*' 2 ' 6 . 0' 57/10 -'
0-,30-' 6 . , -' 6 . 0' 3/=' 2/' 0-. =' /4,6' 7*3', ; 0' 4-47 =' -2 ,67/=' 10*34 24-' 2/' 0/056' 2?4 0' -6/0*+6 . 0*' 6 . , -' /0 7H
6,2*-. ,1' 8 . ,5 . ' 7552/3,*+' 62' 4 7-*0', -' : 45 . ' 5 2-0/' 6 . 7*' 6 . 76' 8 . ,5 . ' 0G, -6-' ; 06800*' + 38# #/2'2'' 7*3'
/9"#8' /' 7*3' "$#2'2' ' 0' /052+*, MO-', *' /9"#8'2''*2' -6/4564 7' ,90*0-' 0G5016', *' 6 . 0, ' 7*6 . 0/-' -' 62' 6 . 0'
/0 76,2*-' 8 ,6 . ' "$#2' /' 0-67 ; ,- . 03' ; =' !4--,04' 1/,*5,17 =' 2*' 6 . 0' +0*0/7' #' ' 7*3' 13"&$'8#/5 . 0' /0 056-', 6' 2*'
75524*6' 2 ' 6 . 0' + /076' 30?0 21 : 0*6' 2 ' 6 . 0' -6,14 0-', *' 6 . 0' 7660/' 6 . 0' 7 ; -0*50' 2 ' 7/2 : 7' 6 . 0' - : 7 ' *4 : ; 0/' 2 '
-67 : 0*-' 6 . 0' 2/ : ' 2 ' 6 . 0' 10/,7*6 . ' 6 . 02/6 . 26/212,,-' 2/' 57 : 1= 26/2124-' 2?4 0' 7*3' 6 . 0' 52*-67*6 =' -410/,2/'
/73,5 0' *3 5 . 0/' 87-' 6 . 0' ,/-6' 8 . 2' -7+75,24- =' 52 : 17/03' + 3!!#8')#/' 8,6 .' 6 . 0' /00P57/10 03' 838/2' /
,*7 =' 2290/' , ' 7*3' . 2 : -2*' 1 750' + 38# #/2'2'' ,*' 6 . 0' *0,+. ; 24/. 223' 2 ' + -"#&$#2' /' 7*3' ' 6 . 0'
-052*3' 6/, ; 0' 2 ' + /783!#/2' /' G !!#2# 8 >5 6 . ,-' 7 ,*, 6=' 2, : 303' 2*' 6 . 0' 7/2 : 76,5' 1/210/6,0-' 10 45,3 14*56760'
07?0-' 3,5 ,*, - : ' *4 : ; 0/' 2 ' -67 : 0*-' -2 ,67/=' 7*76/2124-' 2?4 0' 7 ; 66 : ,*24-' -003' 3,?7/,5760' 526= 032*-'
"0 ' 71107 #-' 62' 4-' 6 . 0' : 2-6' *764/7
2-6' + 38# #/2' /' ,?0', *' -246 .' 6/21,57 ' 7*3' -0?0/7 ', *' -246 .' 60 : 10/760' 76,6430-' #$"3& /' 7*3'
+ 3!!#8')#/' 7/0' 14/0 =' 6/21,57 ' : 0/,57*' /9"'!#/', *. 7 ; ,6-' ., ;'7*3' 08' h07 7*3' 3!)3/5 7' : 2*26=1,5'
+0*4-' ; 0 2*+-' 62' ., ,' ')72/"-/' 7*3' #%' '"3&. '$ /' 7/0' 3,-10/-03' 2?0/' 7-6' 4-6/7 ,7' 7- : 7*, 7' 7*3'
08' h07 7*3' , 3"/' 7*3' + 38# #/' +/28', *' 737+7-57/' 2 : 2/2' 7*3' 6 . 0' 7-57/0*0' - 7*3-' #, /"/'
,-' 7' *76, ?0' 2 ' 6/21,57 ' -, 7 ' 3"-. %3"/', -' 52* , *03' 62' 7-6' 4-6/7 ,7
+ 38# #/2'2'' 12--0-' 7' 62*, 5' 7*3' -6, : 4 76, *+' ?2 76, 0' 2, ', *' 7 ' 6 . 0, /' 17/6-' . 0' 07?0-' 2 ' 3!)3/' 7/0'
4-03' 62' 1/2 : 260' 3, +0-6, 2*' , 90' 607' 7*3' 52 00E , 6-' 3/410-' 7/0' -4+7/=' 7*3', 6-' -003-' 52*67, *' 7' , G03' 2, ' _, 6-'
; 7/9', -' 4-03' 2/' 67**, *+S' . 0' /4, 6' 2 ' /9"'!#/' &' .'"(#"'8& 7 -2', -' 03, ; 0
$%' '"3&. '" /' 3&2%/$/ 5 , -' 7' +, +7*6, 5' 6/00' : 45 . ' -24+ . 6' 2/' - . , 1 ; 4, 3, *+J 7' 305256, 2*' 2 ', 6-' . , +. =' 7/2 : 76, 5' ; 7/9' : , G03' V61, 6 . ' : , 9' , -' 7' -4 ; -6, 6460' 2/' 607' . 0' 3, ¢ 10-' 2 ' , 3"/' =, 0 3' 7' /03' 4,50'
7*7 2+24-' 62' 7/*2662' ; 46' 6 . 0=' 7/0' 2* =' 0760*' ; =' ; , /3-

M' " B M' #8)!

' 2/' & ! 4' 8,6 .' 7' -6=16,5' 4,50' /0330*, *+', *' 52*6756' 8,6 .' 6 . 0' 7, /' ; 7/9'
2 ' 6 . 0' ; /7*5 . 0-' ?0/=' 2 60*' /06,54 7603' =24*+' - . 226-' 4-47 =' 4/ 4/75024-' < '
7 60/*760' *07/ =' 3,-6,5 . 24-' - . 2/6 =' 106,2 03' 52/,75024-' -, : 1 0' 0*6, /0' 10**, *0/?03'
2 303' 0*+6 . 8, -0' 8 . 0*' =24*+' 14 ; 0-50*6' 2/' -57 =' 0G-6,14 760' " 8 ' 3,505,24-'
4-47 =' 7G, 7/=', *' /750 : 0-' + 2 : 0/4 0-' . 073-' 2/' 17*,5 0-', *52*-1,5424-' 8 . ,60' 2/'
=0 28' 60*' / -6= 14 ; 0-50*6' + 7 ; /24-' 8,6 . , *' ,"/2$' 4-47 =' -2 ,67/=' 52*57?0'
2 ' -, : 1 0' 52/,75024-' 64 ; 4 7/' 2/' 4/502 760' 2/' -4 . 57 : 17*4 760' (T % ,3'
70-6,?76,2*' 7? 7760 B 8 ' ' G - ' (E ' : 2*730 1 . 24-J :#!/ '8$&' 4*, 603'
,*62' 7' 52 : 1756' 52 4 : *' 5= , *3/, 5' 2/' 64/ ; , *760' 2/' 3, 7603', *62' 7' -2/6' 2 ' 30*6, 54 760'
3, -9J /8$%' '"&' 0G6/2/-0' T 50 03' 73*760' 62' 6 . 0' 52 4 : *' 2/' 62' 6 . 0' 6006 . ' 2 ' 6 . 0' 3, -9'
/7/0 =', *-0/603' 2*' 6 . 0' 6006 . ' 7*3' /00' 50 -' 17/7 0 ' 210*, *+' 2*+, 643, *7 = B ! ; ! '
U G ! ' -2 ,67/=' D?0/=' /7/0 =' T' 2 ' 8 . ,5 . ' 2*0', -' : , *460' 7*3' -60/, 0F' /00' 50 03'
&$-!'"60/ : , *7 ' ?0/=' - . 2/6' 2/' $J' &$#7 /' 4*3, ?, 303' 2/' -4 ; 2 ; 03' J 3(9!'' -2 ,67/=' ; 7-7 '
0/056' 7*76/2124-' ' 0-. =' 8,6 .' T' 4*3, ?, 303' 2/' T , 3' ?7 ?0-' ' 0/056

N 333" ' 6

" ' G' 0 / 98'
1' 0 / 98 0C9;9=#?70 / E
GB*: I2 ;:'+79'
*;=8094 @B

A A
;=84;4 @B'GB*: I

"
99='4 0+79=' ;' +?' *4 ; *+9'*A *

' ' '
99=' / +7' +?'*8 *' 99='4@+'-98+ 4* A
?+ '4@+'-98+ 4* A' GB*: I' ' G 6+: I

+ \ + ' - (9
-*8A -@ 9'*;='*8 * -@ 9'4@+'-98+4* A B>8A0 8*;?-98?9'?94+0;'0'
;4 8494 @B'GB: I

8.2 ='2/' 17/6,7 ='0*?0 2103',*' 7' 0-.=' 75,*,760' 2 60*' 7/2:76,5' 7/, ' -1/,*+,*+'
/2:'6.0' ;7-0'2 '7'-.2/6' 7*3'6.,59' 4*,5 0'J\$'&$/' .7/3'' /!,9 '8'-50*603' 521,24-'
-0;75024-' 3001 ='/4:,*760'6/7*-?0/-0 ='/2:',//0+4 7/'1/250--0-'2 '6.0',**0/':0:H
;/7*0'2 '6.0'-003' "-! ':,*460';7-,7/' -6/7,+.6J 23$-!')38&'-4; 2,75024-'
3,?7/,5760'1 7*0'2/'/4+2-0'7*3' 2 303J "/)#2!''-.2/6'5=,*3/,5',*0/,2/

0%4 KB

=/,-6,57

+-"#&$#2'D 5' 2*+'1 7503'7:2*+'+3832%!/ -)'2'' *07/' /9"# />5'2*' 75524*6'2'6.0,/' (17/6,60',*52*H
-1,5424-' 3,5,*24-'7*3' 71067 24-' 280/-' 20 03' 2?* 03' 2?7/=';0//,03' /4,6'822 ='-60:' 2/,7502 -'
07?0-'7*3'7/2:76,5'1/210/6,0-'24+.6'/76.0/'62';0'1 7503'*07/' 838/2'W'' 2/'+3 #'&5'8.,5.'/0-0:;0'
6.0:',*'6.0' (17/6,60'?7 ?760'10/,7*6.'0G6/2/-0'7*6.0/-'-2,67/='0/056'7*76/2124-'2?4 0'521,24-'/4:,*760'
7;4:0*':,*460';7-,7/'0:;/='8,6.'_3,?7/,5760'526=032*-'7*3' ,*0/,2/'/73,5 0'8223='7/2:76,5'-60:'
7*3'7 60/*760'*07/='-4. 3,-6,5.24-' 07?0-' 2 303'0*+6.8,-0'8.0*'=24*+J .46',*' 838/2''&6.0' 280/-'
7/0'4-47 ='.0/:71./23,60'7*3'1067 03'6.0'-67:0*-'7/0',*30,*,60':4 6,-0/,760'7*3' /00'6.0'57,10-'7/0'
:2/0'2/'0--'*4:0/24-'7*3'6.0'-003' .7-'*2'7/,' +-"#&$#'' '7-2'711/275.'+/783!#/2'2',*'6.0'0G6/26-0'
.=12+=*24-'7*6.0/-'6.0';0//,03' 17/6,60'/4,6'521,24-'7;4:0*';7-,7/'0:;/=2'8223='-60:'*7*3'7 60/H
760'07?0-J 6.0='3, 0/','6.0'?7 ?760'70-6,?76,2*'2'6.0'57=G'6.0'7;-0*50'2'52/2 7'6.0' :2*730 1.,-:'
-2,67/='57/10' -2,67/='0/056'2?4 0'7*3'6.0'7/, 760'*26'/4:,*760'-003' O0'1/0 0/'62'9001'6.0'*7:0'
/"#!'2/'6.0'2/+7*'8.,5.'0*?0 21-'6.0' 46:0+';0574-0'7 60/'7*' 0G7:,*76,2*'2'682'2?4 0-'80' 7?0'
52*5 4303'6.76'6.,-'2/+7*'-1/,*+-'/76.0/'/ :'6.0';7-0'2'6.0'2?4 0'6.7*' /2:'6.0'0G2-62:0'7-',-'73:,6603'
;=' '0' 7*32 0'7*3' 7*5.2*
.,-',66 0' 7:,=',-'6/21,57 J ,6',*.7;,6-'6.0'6/21,57' 07-60/*' 10*,*-4 7' 7*3',-7*3-'2' 7'
0-105,7 ='6.0' 2 4557-';46'7-2' :0/,57' 737+7-57/'7*3'6.0' 75,,5'-7*3-
'17/6-'2'+-"#)#3'/# 7/0' 7/2:76,5J?6.0,/'-6=16,5' 4,50'52*67,*-' 7'?0/='60*75,24-'75/,3'52 24/,*+'
:7660/'8.,5.'/0330*-'2*'52*6756'8,6.'6.0'7,/' .0'-003'7*3',6-'7/,'12--0--'.=3/257/;2*-'2'8.,5.'6.0'
7/2:7',-':2/0'2/'0--'-6/2*+'7552/3,*+'62'6.0'-105,0-' .0':2-6'/0:7/97;0',-'6.0' 46:0+6/00'
G+-##)#2/':"/7"/ 5'7',*0'6/00'2'6.0' 2 4557-'0-105,7 ='54 6,?7603',*'6.0' 7*37'-7*3-'7*3',*6/234503'
,*' ''$',*62'6.0' 74/,6,4-'7*3' 24/;2*'8.0*50',6'17--03',*62' :0/,57' 6-'-003-'D 46:0+F'7*3',6-'
7/,'D 750F'7/0'4-03'7-'-1,50-'7*3'7-'-6,:4 76,*+':03,5,*0-' 46:0+-=,0 3'7*'0--0*50';='3,-6,H
76,2*'7*3'7' ,G03'-2,3'2,' ;='0G1/0--,2*'4*30/'.076':,G03'8,6.'7'?2 76,0'2,J 6.,-':,G03'2,',-'*7:03'
46:0+ ;4660/'2*'75524*6'2',6-'52*-,-60*50'7*3'=0 28'52 24/' .0'?2 76,0'2,'-017/7603';='3,-6, 7H
6,2*',-'4-03',*'10/4:0/='; 46'6.0'7/2:7'2'6.0' 46:0+',-'*7/526,5'7*3',6'.7-';00*' /0>40*6='-67603'6.76'
6.0'0G.7 76,2*-' /2:'.071-'2' 46:0+-'.7?0'1/2?03',*4/,24-'62'10/-2*-'-001,*+'*07/'6.0:' 46H
:0+-',' 0760*',*'52*-,30/7;0'>47*6,6,0-'7/0'/07='12,-2*24-J 6.0='0G5,60'6.,/-6'574-0'211/0--,2*'
3=-101-,7',*62G,576,2*'30,/,4:'7*3'0?0*' 767'7121 0G=

7*='26.0/'-105,0-'2'+-"#)#2/'1/23450'7/2:76,5'-003-';46'0--'?7 47;0'6.7*'6.2-0'2'+':"/7"/@8&'
.2-0'2'+'&.9"#/5'7'*76,?0'2'6.0' .,,11,*0-'7/0'52?0/03'8,6.'7' 750'8.,5.',-'76',/-6'=0 28'7*3'
7 60/87/3-'2'7';/,+.6'/03J 6.0='2-0'6.0,/'7/2:7'76'6.0'0*3'2'7'=07/' .0'/03'4,50'2;67,*03';='*5,-,2*'
2'6.0'6/4*9',-'-4;-6,64603',*'52:: 0/50'2/' /7+2*#-;223' .0'-003'2'+'$3 28$3&/',-'52*-,30/03'7*'
71./23,-,75';='6.0',*.7;,67*6-'2' :;2=*7

: 2*+' : 0/,57*' -105,0-' + ' ,#39#, /' 7*3' 3::#3(8/!#/' 30-0/?0' 62' ;0' : 0*6,2*03J' 6.0' 7/2 : 7' 2 ' 6.0,/' -003' ,-' 7,*6 ' 5.7*+03' ;=' -2 : 0' ; ,660/' 1/,*5,1 0' J 7' 766=' 2, ' 7*3' 0?0*' 7' 87G=' -4 ; -67*50 ' 7/0' 2 ; 67,*03' /2 : ' 6.0 : ' .0' /4,6-' 2 ' + ' $), /' 7' *76,?0' 2 ' 6.0' : 24*67,*-' 2 ' 2 2 : ; ,7 ' .7?0' 7' 10*06/76,*+' 3,-7+/007 ; 0' 2324/J 7*' 7*6,1-2/,5 ' 4*+40*6' ,-' 1/017/03' /2 : ' 6.0,/' 8 .,6,-.' 7/, ' + ' : /$9/ ' 7*3' &',#:'#>/' ,*.7 ; ,6' 6.0' *6, 0-' 7*3' 4,7*7J 6.0' 7/2 : 7' 2 ' 6.0,/' -003' ,-' ?0/=' 4+75,24- ' .0' -003' 2 ' 6.0' 7660/ ' 6/07603' ??,6.' .26' 8760/ ' =,0 3-' 7' +/07-0' 2 ' 8 .,5.' 57*3 0-' 7/0' : 730' J 7*3' 6.0' /033,-.' 7*3' 75/,3' 4,50' 8 .,5.' 28-' /2 : ' 7*' ,*5,-,2*' 2 ' 6.0' 6/4 . .' ,-' 0 : 1 2=03' 2/' 4 50/-' 7*3' 3057=03' 6006 . ' .0' 750' 2 ' + ' D -""3&/ ' $#87'8/5' 7' *76,?0' 2 ' : ;2=*7 ' 52*67,*-' 7' /03' 52 24/,*+' : 7660/ ' 8 .,5.' 6.0' *76,?0-' 5.08' : ,G03' 8,6.' , : 0 ' _ .0' 14 1=' 0G257/1' 2 ' + ' :"/-"/8&',-' */0-0/?03' 7*3' 0760*' ;=' 6.0' 465. S

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' O8' - &'8*89 A' - &'*8OB*+4#'?OB9+B9?' O9+=#'-98A'+*89 A' *C7A O@?' C*8*?+4'+/ ; ;:' ' D /&&-$%/ ' M ' * +98;*+9#'?OB9+B9?'4O?9' +O:9+798#'?@> OCCO?+9'O8'?@7 / 7O8 9=#' ? B C 9#'9;+89#'C9;; ;98-9=#'O8'C* B ;98-9=#' ;9 A'89+4@ *+9#'4O8 *49O@?'*;='C98? ?+9;+#'O8' 8*89 A' ?O +' *;='=94 =@O@?#'C@;4+*+9' / +7':*;=?' 9='/ +7'*'-O *+ 9'O #'*@='O +9;'C9 @4 ='' &$#.9!'&' ' " ' Y7 ' ' G?OB9+B9?'6 I' O/989=#'8*49B9='O8C*; 4 9='O8'@B79 9=#' 4*C +*+9#'78*4+9*+9'*+'+79' >*?9#' 8*89 A' / +7' *' N C7A!O@?' O8' ?4* A B >;4*+9' ;-O @489 ' * ' ' O8' =4 ;O@?#'89:@ *8#'?B * #'/7 +9'O8'A9 O/'O8':899;#'@?@* A'?49;+9=' : '? B C 9' . " $+&'B O;O?9C* O@?#'798>*49O@?' O8'C9+* O =#'8*89 A'408 *49O@?#'?OB9+B9?' 9?7A#' O8'7*8=9;9='/79;'8 C9#'8O+*+9#' ; @;= >@ O8B'O8'@899O *+9#'N ' G8*89 A' ' -98A'8*89 A' Q I ='' !3,'& ?98 *+9#' B >8 4*+9#'9R@* 'O8'+79'O@+98'?B * 98'' @?@* A'C98? ?+9;+#' O +9;'B O89'O8' 9??'*4489?49;+#'*;='47*;:9=' ;+O'*'4@C' ?@88O@;= ;:'+79'>*?9'O '+79' 8@ +' = ' ;?98+9='*+'+79'>*?9'O8'+780*+'O '+79'4* A5#'=9 ;+9#'-98A'8*89 A'?@>' ;=9 ;+9'D '$"/8$%'"/ 5 ?98 *+9#'89=@49=' ;'\'+O':*;=?#'?4* 9?#'O8'?+*B ;O=9?'' ' *;=' V O/98?'/ +7'+79'O@+98'?+*B9;?';+8O8?9#' N'O8'Q'@?@* A' 98+ 9#'9:*;=@ *8' *+'+79'>*?9'' +79' ;;98' 95+8O8?9#' M'@?@* A' 98+ 9'*;=' :*;=@ *8'*+'+79'>*?9'' :#!/ '8$&' 899#'O8'-98A'8*89 A'BO;*=9C7O@?#'@?@* A'= *+9='*+'+79'+OC'' /8$%'"&'O-O=' O8'O>O;:#'?OB9+B9?'*4@B ;*+9' 8OB'+79'4O;;94+-9'>9 ;:'C8O O;:9='>9AO;='+79' 49 ?'' 49 ?' #'C*8* 9#'O+9;'+8*;?-98?9A' 049 *+9#'*;='OC9;;:' 8OB'+79'>*?9

N))) ,

@C / *8=?> A * 0 ; : +@= ; * C98? ?+9 ; + -* " @ 9 % 899 G08 -98A 8*89 A *=7989 ; +I# H 49 9= &$-! ? BC 9# 8*+798 ?+0@+# ?7 08+ &$#7 / 0>+@?9# ?@> 4*C +*+9 08 = ?40 =# 0>?4@89 A M 0>9= 3(9! ?0 +*8A G-98A 8*89 A I# C9 ; =@ 0@? 80B +79 +0C 0 +79 49 # * ; *+80C0@? - * >988A# 8*89 A * =8@C9# 08 =8A# : 0>0?9 08 9 C?0 =# @?@* A ?9*+9= 0 ; +79 +7 4F9 ; 9= C9= 49 # 08 : 8+ * + +? >*?9 >A 08 ; 4 @=9= ; +79 4* A5 +@>9V ; -98+9=# 95* >@B ; 0@? $'&$/ B9B>8* ; 0@? " - ! ?+8* : 7+ 23$-! ')38& *8 : 9# C * ; 0 40 ; -95 G40 9= ; -"32/". ' 5 C9 +*+9 ; 9*8 +79 >*?9# 9?7W# 0 A "/)#2! -98A ?708+# ?@C98 08

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4; 2/30/ M - 4 , 4 B+9?49 ; + 08 *8>089?49 ; + 9* A C * ; +? "9#$?@C98 08# 08 -98A 8*89 A ; 98 08 G 7/$%3 . %-!!4## 4 0+A 9=0 ; ? C * ; 0 40 ; -95 ; +798? 49 9= 08 009 *+9

1 ! ! 2 K 1 0 / 98?#@?@* A B980@? * A5 N 0>9= ?+*B9 ; ? Q# ; ; 98 95+808?9# : * ; =@ *8 ?+*B ; 0=9? M# ?+ C +@+9# 8*89 A 6 9*-9? 9-98 : 899 ; >@=? @?@* A ; *F9= #88/ 3 9 !&'3) / . %8' %3' , ' + / /%#!9& _ '"&' / + / /&#/ '#!&3!# #') #/ 3!)3/ '&3) / . %8' U4

! ! 4K 1 0 / 98? @?@* A M 8*89 A B980@? +*B9 ; ? Q# N# M# 8*89 A ? ?+*B ; 0=9? 89R@9 ; + A 0>?0 9+9 6 8@ + 9 ; 4 0?9= ; +79 4* A5 +@>9# 1 9*-9? 9-98 : 899 ; # >@=? ; 0 ?4* A "# .#32/"-/ #39' / /"3)#2) 5 -) '8)"38 + '&.#!3) / . %8' 4=2

! ! % GJ 1 0 / 98? @?@* A2= 094 0@?# M B980@? +*B9 ; 6 Q# 8*89 A M# M ; ; 98B0?+ : * ; =@ *8 ?+*B ; 0=9? 08 0>?0 9+9 988A ; *F9= 08 8+ * + 79 >*?9 >A +79 4* A5 +@>9 "'3) / . %8' '2$/8)"/ _ /&&/:"/&5 2' . . '"$#/ U4

1 ! ! , !, L B 280/- 4-47 = 3,205,24- < /7/0 = % : 0/24- *6.0/- 7 , *6/2/-0 J -67 : , *230- $# / 2 ; -2 O60 '$"/8%'"8 -!#23) / .!#8' 3$#83) / .!#8' #$&2' / 1/. # 8#)#9 _ /9"(& . '"9!/ #8) '"/ =3

@> 08=98 4 *8*? + 4 798>? / +7 08B + / ; ; : ?+9B# *=798 ; : >A ?@4F98? +0 - ; : C * ; +? 9*-9? 89C *49= >A ?4* 9? -*8A ; 4 @=9= ; +79 4* A5 +@>9 ; +798? 49 9= /&&-$%/

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/9"#8' 2/ : 7 ?0/= *764/7 7 : , = 8 . ,5 . ', * , 6- 8223= -60 : , 6- 4-47 = 52/,75024- 0?0/+/00* 7*3 0G-6,1 "60 07?0- 4*,-0G47 280/ L 10/,7*6 . 10/,+=*24- -67 : 0* - 50 03 7*3 2?4 03 2?7/= 1/0-0*6- 7* 7 ,*,6= # . 6 0 : 15 : 5,L 7*3 %- '!'2'>5 6.0 7660/' 7 -2 /0-0 : ; 0 ,6 ,* 6.0 10*34 24- 2?4 0 '6.0 0G7 ; 4 : ,*24- -003 7*3 6.0 0- . = 526= 032*- ; 46 3, 0/ ,* 6.0 30 . ,-50*50 2 '6.0 7*6.0/- $%'"3& .'" 'W .7?0 ' !#F = /9"#8 ' /5 7*6.0/- 210*,* + ; = 7-50*3,* + ?7 ?4 0- ; 46 6.0 1,-6, , -2 =57/10 7/= '6.0 2?4 0 , -'0/056 '7 '6.0 0 ; /=2 : ,4 '76 6 ; 0 ; 7-0 2 '7 0- . = 7 ; 4 : 0*

A +/28'0-105,7 = , *C ; 1,57 /0+,2*- 8 . 3 93 . 0= 2/ : # 2/0-6- 2* 522 ' : 24*67, *- _7*3 , * . 26 ?7 0= - 1 7, *- "5 S ; 46 7 08 7/0 24*3 , * 2/6 . : 0/,53 286 . /,57 4-6/7 ,7S 6 . 0 7*7/,0- 7*3 03,60//7*07* 4/210 6 . 0= 7/0 7 ; -0*6 /2 : 2/6 . - -,7 _0G5016 !717* 7*3 . ,*7S 7*3 6 . 0 6/21,57 /,57* 52*6, *0*6 /&&-$%/ , - : 06 8 ,6 . ', * 246 C /,57 _ *3,7S 7*3 7 . 26 /0+,2*- 2 '6.0 -246.0/* Xf . 07-,-1 . 0/0 X

/9"#8' ' -05/060 7 14*+0*6 ?2 76, 0 2, ', *6.0 . 7 9 7*3 + 7*3- 2 6.0 07?0- 7*3 280/- . , - 2,

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A12--0--0-',*' 3, 0/0*6 -10>,0-'A-6, : 4 76,*+#2/ -0376,?0 1/210/6,0-' /01/0-0*603 ,*' 6.0,/ 627G, : 6, :' ,*60*-,6= ' 6.0 2*0 ; =' ,**7 : 2*' 6.0 26.0/' ;=' 7 : 1.2/' -2 6.76 6.0 -105, ,5 ?,/640-' 2 '6.0 7 : , =' : 7= ; 0 52*-,30/03 7-',*5 4303 ,*' 6.0-0 682 6=10-' -.7 ' 2* =' .0/0 >4260 6.0 : 2-6 8,30 = -1/073 -105,0-

.0 74/0 ' D /9"9& 83%#!#/ 5 7 6/00 2 ' 246.' 4/210',-' 54 6,?7603 ,*' /7*50' .46 320-' *26 7667,*' 7 +/076 -,M0' 6-' 07?0-' .7?0 7 1 07-7*6 -50*6 7*3 7*' 75/,3 7*3 7/2 : 76,5'67-60J 6.0=' 7/0 4-03 7-'7 7?24/,*+' .0,/' 5./2 : 4 0 7*3 6.0,/' 0--0*50' -2 4 ; 0 ,*' 766=' ; 23,0-' 7/0 ,*+/03,0*6-' ,*' -0?0/7' 2,*6 : 0*6-' 7*3 26.0/ 0G60/*7' : 03,57 : 0*6-' 7-' 7/0 7 -2 6.0' ; 0//,0-' 8.,5.' 52*67,*' 7 ,G03 7*3 7 ?2 76, 0 2, ' V 6-' 07?0-' 7/0 ,*?7/,7; =' 7,3 ,*' 7=0/-' 2?0/ : =/*7 ,+-' 7-' , : 12/603

/&&/:"/&' 3::#3#8/$#& ,-' 7 7/+0 2/0-6 6/00',*.7;,6,*+' 6.0 03+0-' 2' -6/07 : -' /2 :' 7*737 62 2/,37 J 6.0 7/2 : 7 2',6-' 8223 7*3 2'6.0.7/6 2',6-' /226 /0-0 : ; 0-' 6.76 2' 0**0'7*3 7 : 1.2/J ;26.'6.0 8223 7*3 /226 ;7/.'7/0 0 : 1 2=03 7-'-432/, ,5-

'3$'/' G 92%9"-' / 3"5 7 /7M, ,7*' 6/00' =,0 3-' 6.0 ,5.4/, :' ;07*' 7 -003 52*67,*,*+' 7 ?2 76, 0 75,3 7*3 7 ;46=/75024-' 2,' 8.2-0 67-60 7*3 - : 0 '7/0 ;06800*' 6.2-0 2' 46 : 0+' 7*3 7--7 /7-' .0 /7M, ,7*-' 4-0 ,6 7/+0 =',*' 57-0-' 2' 8079*0--' 2'6.0 ;280-

'"&'/' 7"/$#&& /5 6.0 ?25732 2/ ,+762/ 07/' 7 7/+0 246.' : 0/,57*' 6/ 0' .7-' *2 7/2 : 76,5 1/,*5,1 0' 7*3 ,-' 2* =' 4-0 4' 2/' 6.0 6.,59 7*3 ;46=/75024-' 0-.' 2' ,6-' ;0//=' 8.,5.' 67-60-' ,90 1,-675.,2' 7*3 ,-' 0760*' 8,6.' -1,50-' 7*3 : 076' 7*3 7*, : 7 -' 2' 7 '9,*3-' 003 412*' ,6' _ 6 4/6.0/ =,0 3-' 7*' 7;4*37*6 2,' 2/ , 4 : ,*76,*+' -271 : 79,*+' 7*3 ,6-' -003-' 7 ; 759 3=0 4-03 2/ : 7/9,*+' ,*0* S

#889 3 $' '3::#2#8/!'5 8.,5.' =,0 3-' ,**7 : 2*' ;7/9',-' 54 6,?7603 ,*' 0= 2*' 7*3 6/21,57' 52 2*,0-' J 6.,-' ;7/9 ,-' 17 0' ;/28*' 7*3 -8006 -50*603 .26' 7/2 : 76,5'7*3 -4+7/=J ,6',-' 4-03 7-' 7 2*3,:0*6'62*,5' 7*3 -6, : 4 7*6

.0 .,*0-0 ,**7 : 2*' D$ ' /&&#/4' +/28-' ,*' 7 7;7/' .,*7' 7*3 6.0 2 4557-J ,6-' ;7/9 _7-' OGH 12/6035 ,-' 6.,590/'6.7*' 6.76 2'6.0 0= 2*' ,**7 : 2*' 7*3 *26 /2 03' 7*3 ,6-' 52 24/' ,-' 37/90/J ,6-' 67-60 ,-' .26 7*3 14*+0*6' 7*3 ,6-' -50*6 /057 -' 6.76 2' ; 4+-J ,6',-' 6.0/0 2/0 0--' ?7 403' _ .,-' ' /!/!/$%"#29 5 7*3 7 ,03 -105,0-' 7/0 4-03 62 734 60/760 6/40 ,**7 : 2* S

¢ / .%/"/' 3::#2#8/"9 ' +/28-' 8, 3 ,*' .,*7 7*3 !717*' 7*3 ,-' 54 6,?7603 ,*' 6/21,57' 7*3 -4. 6/21,5 ' 52 2*,0-J ,6-' 8223 7*3 07?0-' 52*67,*' 7 : 1.2/' 7 52*5/060?2 76, 0 52 24/ 0--' 2, ' ,+.60/' 6.7*' 876p/' 8,6.' 7 10*06/76,*+' 2324/' 7*3 7*' 75/,3 ;46 52 ,*+' 67-60J ,6',-' ?0/=' -2 4 ; 0 ,*' ,G03 7*3 ?2 76, 0 2, -' ,*' 7 52.2' 7*3 06.0/' 0?712/76,*+' 52 : 1 060 =',*' 6.0 7,/' 7*3 ,-' ?0/=' ,* 7 : : 7 ; 0' .,-' 1/,*5,1 0 0G,-6-' ,*' -0?0/7' 26.0/ //"#8'2'5 7-' 7 -2 ,*' -0?0/7' 1 7*6-' *26 52** 05603 8,6.' 6.,-' 7 : , =' 7*3 *267 ; =',*' /,#/$'&' 7 : 1.2/ #& : 45.' 4-03 7-' 7 -0376,?0' 7*6,-17- : 23,5' 7*3 7*6,-016,5J ,6' ,-' 7/+0 =' 711 ,03 0G60/*7 =' 3,--2 ?03 ,*' 7 52.2 ' 2, ' 7*3 ?,*0+7/ 6790*' ,*' 2?0/32-0-',6 : 7=' 1/23450 52 : 1 060',*-0*-,;, ,6=' 7*3 0?0*' 3076.

B #8' 9%#"#2/ ,', ''8$5 3:' 4,7*7' 7*' 7 97 2,3 1/254/03 /2 :' '2$/8)"/' 3)#2'# 2' 4,7*7',-' 7 : 2-6 1280/ 4' : 03,5,*0' 7/+0 =' 4-03 7-' 7 0;/, 4+0' 7*3 -4112-03 62 ;0 6.0 1/,*5,17',*+/03,0*6 ,*' O7 .7/+#-' /21-' 7 : 03,5,*0 ,*' 4-0 6./24+.246 /,6,-.' *3,7' 7/,24-' -105,0-' 2' 7--7 /7-' 7/0 4-03 6-' -6, : 4 7*6-' 62*,5-' 7*3 ?0/ : , 4+0- S

.0 8223-' 2' : 2-6 /9"#8''' 7/0 2 '7 ,*0 7*3 -2 ,3 6,--40' 7*3 7/0 1054 ,7/ =' 4-0 4' 62 57;,*06 : 790/-' 7*3 64/*0/-' .2-0 : 2-6 4-03 ,*' /7*50 7/0 6.0 *,-0 2/ 7--7 /7-' 2' /,*252 D '3$'/' 2- ,/"9 ' J 6.0 0;00/4 D '2$/8)"/' 3)#'&# 5 7 .7/3 .07?=' +/00*,-. =0 28' 8223 /2 :' 4,7*7 7*3 6.0 7 : 24-' /00*.07/6 2' 0 : 0/7/7J 7*3 6.0 ,57/,' D 2?0 7--,7 2' /7M,' 2/ 2-0 2' 7=0**0'! 2/"#/'79-/8'8)&4A 5 8.,5.' 6.0 /0*5.' 82/9 : 0 ,V57 ' 0110/ 8223' /2 :' 6.0 14*+0*5=' 2',6-' 34-6 _ 2 6.0-0 : 4-6 ;0 73303 6.0 ,*76,02 2/ 730,/7 7.2+7*=' 6.0 1/23450 2' '"&'/' 8)#2/J 6.0 206,3 ,' 2' 6.0 7*7/,0-' D "'3)/.%8'' :/&$'8& ' 6.0 80068223 2' !7 : 7,57 D "'M)/.%8'' '?/!,/$/ >5 7*3 6.0 6,*98223 2' 246.' /,57 D ' %9!!/$/ 4`

Þ #2-.'!!#/ '2/"-3.%-!!/$8 5 00-' 7552/3,*+' 62 60430 B

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- 4 4 08,087, B 4 + '-'" B
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" 8 2/ #3!-7/" + 9& 2 &# .!'5 \> Q:#) - 'M9/! $3 $%'
. '"#/8$%>!3, '&5:'<'"5 3") , $%'" %'"5 #8&'"$') 38$%' $9, '3" $%"3/$ 3:$%'. '"#/8$%

F 5 '3 A " E

F 5
O / 98#9 ; + 89' * ; =' 4@+' - 98+ 4* A' GB * : I

F 5 F 5 F 5 5 F 5 5
% *:8*B :+ 4@+ -9 4* B +4@+ C9' 8@ +' * =' OC9;' 99=' GB * : I
GB*:+I GB*:I GB * : I

= 5 = 5 5 F 5 F 5
O-898' * =' OC9;' ?+ $ * =' OC6' O@++:' 8@ +' * =' OC9;' 8* ; ?- 98?9' ?94+ O ;' O ' * A5 +@>9
GB * :#I GB * : I GB * : I 8@ +' GB * : I GB * : I

%- '!'2 '1/0-0*6 7* 7 ,*,6=8,6.' /8$/!/2' 5 +2'/'%8'2 5 7*3 "3!'/''2'' /8$/!/2'2'' 7/0 07-, =3,-H 6,*+4,-.03 ;=6.0 ?7 ?760 10,C,7*6.'6.0 ,* 0/,2/ 2?4 0-' /034503 62 7 *45 04-'10*34 24-' /2 :' 7 /00 50*6/7' 1 750*67' 7*3 6.0 7;4*37*6 7 ;4:0*J ! !/ #8'/' ;=6.0 0/056 ;7-, 7/ 2?4 0' 6.0 2 60* -1,*0-50*6 ;/7*5.0-'7*3 6.0 10 6760 -57 0-'' "3$'/2' '3, 0/ /2 :' %- '!'/',* 6.0 ?7 ?760 :-6,?76,2* 7*3 ,* 0/,2/ /73,5 0' %-" !'2'' 7/0 -57/50 =3,-6,*+4,-.7;0 /2 :' 3&/2'/#5 0G5016 ,* .7;,6'6.0,/ 2 60* 2112-,60 7*3 0G-6,14 760 07?0-'6.0 60*75,24-' ,;0/' 7*3 75/,3 ?0-,57*6 4,50' -',* !#3&/2'2'5 6.0 280/ ,-'52 24/03' 7*3 , '6.0 1067 -' 7/0 7;-0*6 6.0=7/0 /01/0-0*603 ;=-57 0-' 7552 : 17*=,*+' 6.0 57 =G' 6.0 -67 : 0*-' 7/0 10/,' +=*24-'6.0 2?7/=,-' /00'6.0 2?4 0 10*34 24-' 7*3 7*76/21247' 6.0 0 : ;/=2 -6/7,+.6' 0G7 ;4 :,*24-' ''0' *' 7 82/3' 7 280/ '1/#&' 2/ 1/.%8'' 0G756=/0-0 : ;0-'6.76 2'-2 :0 -7)/!'/E

%- '!'#'' : 2-6=',*.7;,6'6.0' 87/ :' 0G6/7 6/21,57' /0+,2*-' 2' 6.0' -246.0/*' .0 :,-1.0/0' 0-105,7 =' /,57' 7*3 *-6/7 ,3J 6.0=' 7,#0' 0--' 7;4*37*6 ,*' 6.0' *2/6.0/*' 60 : 10/760' .0 :,-1.0/0' 7*3' ;06800*' 6.0' 6/21,5-'6.0='7/0'/7/0/ ,*' : 0/,57' 1/.%8'';0 2*+-'62' 6.0' 3' O 2/ 3' # '!'/',-'-1/073' 2?0/' 6.0' 4-6/7 ,7*' 52*6,*0*6 i7*3' 08' h07 7*3S' 8#)#/',*.7;,6-' 246.' /,57' /7'$$/' 7*3' : 7*=' 26.0/' +0*0/7' 7/0 6/21,57' 1#" /',-' 2/6.' : 0/,57*' 1"/.'$'/' 60 : 10/760' 246.' : 0/,57*' 0?0/7' +0*0/7' 7*3' 0-105,7 =' 6.0' -4;H 2/30/' M9#!/"#'2'5 ,*.7;,6'6/21,57' -,7

.,-' 7 : , =' 7 ?0/=' *764/7' 2*0' ,*' ,6-' ;267*,57' 5.7/7560/-',-' 7 -2' -2' ,*' /0-1056 2' 6.0' 1/210/6,0-' 2',6-' -105,0-' .0';7/9' 7*3' /4,6' 2' : 7*=' 52*67,*' ;0-,30-' 7' ;,660/' 0G6/756,?0' 7' 1054 ,7/' +/00*' ?0/=' 75/,3' 7*3' 756,?0' -0;75024-' : 7660/' .0' /226-' 2' -0?0/7' 4/*,-.' 7' =0 28' 3=0' G /&&'"#8/' $#82$3"#) J 26.0/-' .7?0' 60*75,24-' 52/6,57' ,;/0-' 8 .,5.' 7/0' ?7/,24- =' 4-03' ,*' .26' 524*6/,0-

.0'0G6/0 : 0 =' 75/,3' -003-'2'6.0' 1,4+0 7G'G1/.%8'' 8#)#9 5'7'*76,?0'2' 246.' 4/210'80/0' 2,:0/ =' 4-03' 7-' 7' 14/+76,?0' ;46' 7/0' 37*+0/24-=' 1280/ 4',*' 6.0,/' 756,2*J 7' 3052 56,2*' 2' 6.0' 07?0-' 87-' 7-2' 4-03' 6.0' 0 056' 2' 8.,5.',-' 0--' ?,2 0*6' .0';7/9' .7-' 7' -,+.6=' *74-024-' -:0 '7*3' 7' 52//2-,?0' 67-60J ,6' 756-' 7-' 7' 574-6,5' 8.0*' 711 ,03' 62' 6.0' -9,*' 0,6.0/' 0*6,/0' 1283 0/03' 2/' 7-' 7*' 2,*6:0*6' .0' 0MO/02*' G1' +2J''"'9 5'6.0';7/9' 2'8.,5.',-' 0G60*-,?0=' 4-03' 7-' 7' :03,5,*0',*' 0/:7*=' 62+06.0/' 8,6.' 1' /!.#8/' 7*3' 18' >$# 5'7',*3,+0*24-',,' /7*50' .7?0'6.0' -7:0'?,/4 0*6' 1/210/6,0-' 7-' 6.0' 14/+0 7G' .0' 07?0-' 7*3' ;7/9' 2' 1' "'3!/5'/'*76,?0' 2' 8223-' 6./24+.246' /7*50' 7/0' 2 60*' 4-03' 8.0*' /0-.' 7-' 7*' ,--40' ;=6.0' 107-7*6-' 1#"2/' .)%#/$"#&',*' 2/6.' :0/,57' /7'$$/' !#8$'/"#/',*' 246.' :0/,57' 1/.%8'' 2/88/%#-#/',*' *3,7' 7/0-,:,7/ =' 4-03' .0' 07?0-' 2' 1/.%8'' /"$38>"/#"/',*' 7/3,*,7' 6.2-0' 2' 8#)#/' 76' 6.0' 710' 2' 223' 210' 7*3' 6.2' ;0//,0-' 2' ,*' !7?7' 7/0' 4-03',*' 6.0' 1214 7/' 1.7/:75=' 7-' 14/+76,?0-7*3' 0:06,5-

*' *3,7' 7' 1710/',-' :730' /2 :' 6.0',;0/' 2' 1/.%8'' 2/88/%#8/5 7*3' 52/3',-' :7*4 7564/03' /2 :' 6.76' 2' /7'$$/' :98#:'"/' 7*3' *8$'/"#/',*' 246.' :0/,57' _6.0' 7660/' 2' 8.,5.' 1/23450-' 6.0';0746,4' -4;-67*50' 57 03' 750;7/9$

)))) ' 1 A]

M# !9 ' 5 !18 8 4' 19 3"##'"

L ' -57660/03' 52/,75024-' 106,2 03' 2?760' 2/' 10 6760' >4,60' 0*6,/0' 0G-6,14 760' 0 8 ' :2*5 5,24-',*' 1034*5 03'7G, 7/='7*3' 60/:,*7' 5=:0-'60/*760' ,*' 73 07?03',*?2 45/0' J 50*6/7' 280/ ;5% :0/24-' -0--,0',*' 7*' 4/502 760' 10/-,-60*6' ,*?2 450 J' 760/7' 3' *26',*?5 450 7 0' 103,50 03' 4-47 =' & :0/2*-' .' .0/;7H 5024-J' $9,'' -.2/6' *7//28' 2,*603',*' 6.0' N' 4110/' 17/6' 305,3424-' J !# ,'2' S' < '2' N & $ 17/6,6<J 2;0-' T -0/,760' ?7 ?760',*' -0-6,?76,2*',**0/' /76.0/' *7//280/' 0 8 1' S' ' - ' (D?0/=' /7/0 =' %F',*-0/603' 2*' 6.0' 57 =G 6./276' 2112-,60',6-' 2460/' 2;0-' 52**,?0*6J:#!/ '8$&'-.2/6'4-47 =' T + 7*34 7/' 76'6.0';7-0J /8$%'"&3,3= :24-' 7/+0' 0/056' 73*760' 62' 6.0' 7/+0' 52**056,?0' T 50 03' 30.,-5,*+' 2*+,643,*7 =';=' 7'305,3424-' ?7 ?0' 0 8 ' N' ' - " ' + 7*34 7/' 2112-,60' 6.0' 2460/' 57 =G 2;0-' %

,*5 *303 ,* 6.0 57 =G 64;0 /00 -0--,0 50 03J &$-!' 60/:,*7 , ,2/: 305,H
3424-J &$#7 / 0-.= 3,7603 (% 5/0*760 2/ 2;03J 3) 10*34 24- /2: 6.0 621
2 6.0 50 7*76/2124- ! 7/+0 -12*+= 2?2,3 3/= , 4//2803 2/ -:226.
,*5 4303 ,* 6.0 :0:;/7*24- 57 =6 64;0 -4; +2;2-0 ,*?0/603J $'&$/ 5/4-67
5024- "/.%' 7**4 7/ /!,9 '8 = " -! 2/6.26/2124-J 23$-!')38& 7/+0 0-.=
2;03 62/4 2-0J "/)#2!'-.2/6 -410/,2/

%# ; /

0/*7*3,7

A '"8/8)#'2& 7/0 ?0/=*07,#=/0 7603 62 /9"#8'2' D2 A8 5. 6.0=: 7= ;0 /0+7/303 7- 7 6/,;0 7*3
%- '!'2 5 3, 0/,*+ /2:;26.'52*-1,5424-=,*.7;,6 /2: /9"#8'2&,*6.0 -6/4564/0 2 '6.0 7*6.0/'0 "
%- '% ',*6.,-',*87*6,*+6.0 624+.';7 9',*6.0 12-,6,2*2 '6.0 -6= 0 7*3 6.0 (-0/,760 10/,7*6. ,0
08 105,0-7/0 *76,?0-2 '6/21,57 527-6-
.0 8223 2 '"8/8)#/',- -12*+='7*3 4-03 2/ 276-7*3 6,*30/E 6.0;7/9 07?0- "5a 7/0 14/+76,= 6F
7*3 6.0 4,50 ,-7* 756,?0 301,762/= B %U

$) $@ - '

D 6 ./"&5 9&&#'9 5 " @?$'#" 4 " B : #8)!

" 8 "" E 2)#3'2#39& 3".3!-7/ 39& 2 &# .!'5%'",/2'39&5 3" 23!39"')
<#$%#8 - .'"#7-839&5)39,!' $%' 89 ,'" 3: $%' .'"#/8$%>!3,'&5 3" 'M9/! /8)
/!$'"8/$' <#$%' $%' % X /03 N>2'!!')5 !Q3(9!')E /&2'8)#875 /8/$"3.39&
0 #82!9)')#8 $%' %/")'8')'."#/8$+9,' '"'2$E ! - &2/8$- " -!
&$"/#7%$5 /?#!'E % #8:'"#3" @
2/ - 52?0/03 8,6. -57/,24- 3,-52,3 -,?0/=2/ ;/28*-57 0- 8.,5.
7/0 4/*,-.03 76 6.0 :7/+,*8,6. -60 760 .7,/-J ;/7*5. -2:06,:0- -1,*0-50*6
;/7*5.06- 7**47 7*3 305,3424- ;43- *7903 M 7 60/*760 G ! /789&5 #..3 5
.%/' 2/ 2112-,60 D %'.%'")#/5 389!'9 5 -,:1 0 10**,*0/?03 0*6,/0 -.2/6=
106,2 03J &$#.9!'& $ * /0+4 7/ E 2/ 3,205,24- 2/ 12 =+7:24- -2,67/=,1
6.0 7G, 2 6.0 07?0- 2/ ,*-1,90- /750:0- 2/ 5=:0- =0 28 2/ 8.,60 2 60*-50*603J
S @ -,:1 0 .0/;75024-52:12-03 2 T 7*60/2 12-60/,2/ -017 - G #..3.%/' 5
2/ 2 %-017 - 4*,603 76 6;0;7-0,*62 7 -.2/6 64;0 G %'.%'")#/ J +] M %0
64;4 7/ -57 = 246-,30 2 60*52 24/03 8,6.,*J !# , T ,3 G #..3.%/' 2/ % 17/6,60
G %'.%'")#/ 5 2/ % < ,3 G !</789& 5,:;/,5760 2/ ?7 ?760 ,*70-6,?76,2* /7/0 =52*,57
7*3 0*6,/0 D 389!'9 (,*,*+6.0 10/,7*6. 64;0 7*3 2/:,*+ 7 + 7*34 7/
/,*+ 76 6.0 6./276 G !</789&5 %'.%'")#/ 5 -2:06,:0- 3,7603 ,*62 7 0-.= 52*0
6/7?0/-03 ;= 6.0 -6=0 7*3 2*+0/ 6.7* 6.0 10/,7*6. G 389!'9 5 -2:06,:0- $
G #..3.%/' = ,*-0/603 2* 6.0 62/4-% &D324;0 6.0 -017 -F ,* 6.0 S 280/-
7*3 2112-,60 7*3 7 60/*760 8,6. 6.0:J 0>47 7*3 7 60/*760 8,6. 6.0 10/,7*6. 2;0-
,*6 ,0 E 7*3 12 =+7:24- 280/- G !</789& J / 8$%'"& 0/056 ;7-,2/ 32/-, ,G03 50 /
-4; 2112-,60 17/7 0 ,*6/2/-0 30.,-50*50 2*+,643,*7 J .3!!'8 52:1/0--03 2;-54/0=
(+2*24- # -0--,0 /00 8,6.,* 6.0 755/0-50*6 10/,7*6. 64;0 50 03J &$-!'
-,:1 0 0/056 0 2*+7603 -6,+:76,0/24- 2* 2*0 -,30J 3(A#! -2,67/= 7*76/2124-

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" 98+ 4* ?94+ 0 ; O AO@ ; :
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99= 4@+ -98 4* A
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9?7A C*8+ O 4* A4 ; * +@>9 0 ; A C*8+ O 4* A4 ; * +@>9
8 9?9B> ? B >8AO 9 @ *8 C*8+ ; +98CO?9= & 98 4*8C 9?+*

4@+ -98+ 4 ! A

;9* A >*?* *?49;= ;:? ?9?? 9 O8 ?7O8+ A ;; 4 9= 4 ;=97 ?49;+ 9;4 O?9= ;+79 =8@C9 F9 4* A5 +@>9 / 7 47 ?9?A O@+? =9 *;= >O;A / +7 ; = *?E 49;= ;: B9B >8*;O@? O8 4*8+ *: ;O@? %!9 >*? *8 "/.% C8OD94+ ;: 2%/!/J/ *C 4* /!,9 '8 O8-98A +7 ; ?+8* :7+ *5 9 23$-!')38& +7 4F "/)#2!'' ?@C98 O8

94 B %

#!2'/78' !2'/78'2' H 3 1 3 %' 2 . (3 ! 3 (3 D !2'/789& 3 3 3 1 3 M # G %3"$ &#& 3"#'8$/!#& /",3"'/ 238:'"$/ B : 3 A 3' ! 3 1 !//78 /8-9&$#:3!#/ 3 3 3

: : :
8+'0' ;0 4@+'+8;?-98?9 A# % *:8*B#?70/ :'+79'C0?+0;'0 '+70' :
;*+@8*''?<9 0/98?'*; '?4*9? +:B*

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0/98'4@+'-98+4* A' 0/98 >@='?99; :
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8*;?-98?9'?94+0;'0 '
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0/98 7@=' 4@+'
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1 5('
99=' * ='0C9;#
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= B>C8O# 9;+ 89**;='4@+ 0;: +@= ;* A GB*: I

* 9&9/!!- # > '"39& : '&# .!'5 2'&$#(/$#38 (/!(/$' 9= ' .'"#7-839&5 'M9/!/8) 3..3&#$''$3 $%''&'./!& :"''5 N>2'!!')5 0 0'>3(9!')" - /8/$"3.39& 3"" 3"$%3$"3.39&5 #2"3.-!'' /!</-& #8:'"#3" ' - ' Xd 89$ 3"" :3!!#2!'54 □□'>&'')') = ''?/!,9 #839&É '#8:'"#3"

= - & & ?0/= /7/0 = % M ' -57660/03 /7/0 = 2112-,60 2/ 8 ,2/ 03 4-47 = 52/,75024- 10/-,-60*6 ,:1 0 0*6,/0 2/ 2 60** 6226.03 2/ ?7/,24- = 75,*,760 2/ 1,**76,-056 2/ 1,**760 -2 :06,:0 12 = :2/1.24- 2** 692 -7 :0 1 7*6J &$#.9!'& $ * ' R /7/0 = 3,5 ,*24- 60/ :,*7 2/ 7G, 7/= ,** 7 073 -1,90 7-5,5 0 4 :;0 /750 :0 2/ 17*,5 0 /7/0 = 7G, 7/= 7*3 -2 ,67/= 8 .,60 =2 28 2/ /03 ?0/= /7/0 = ; 40 2/ +/00* -2 :0 7;4*37*6 = *0567/,0/24-J 571,64 7 7*3 -1,90- 4/H *,-.03 8,6. ,:;/,5760 ;/756- -2 :06,:0- 8,6. 7 +0*0/7 ,*?2 45/0J "/2%#& 3"" "'2'.K $/2!' 4-47 = 6.,59 52*,57 -1.0/2,37 2/ 5= ,*3/,5 7 ?02 760 4/ 4/75024- 2/ ?0 ?06= /7/0 = *7903J .')#2'!& +0:,*760 2/ -2 ,67/= ,** 6.0 7G, 2 7 ;/756 : ' -,:1 0 . " $ +& 52/,75024- 52 24/03 2/ .0/;75024- /0+4 7/ 2/ ,//0+4 7/ :7/50-50*6 2/ 305,3424- 4-47 = 14;0-50*6 246-,30J &'./!& % ,*07/ 2/ -176.4 760 ?7 ?760 ,* 70-6,?76,2** 2/ ,:;/,5760 76 6.0 621 -1/073,*+ 2/ 52**,?0*6 2/ 4*,603 ,*62 7 64;0 4-47 = -1 ,6 2** 2*0 -,30J !# , -2 :06,:0- 5 2-03 7*3 /067,*,*+ 6.0 -6,+:7 -2 :0H 6,:0- % ,3 /0+4 7/ 2/ T 7;,760 2;0- /0 0G03 1 7*0 2/ 52*57?0 = % D-2 :06,:0- 7//0-603F 2112-,60 62 6.0 -017 - 7*3 ,*-0/603 2** 6.0,/ ,:;2/ 5 78 ?0/= /7/0 = .=12+=*24- G '!!'8)'8/ J:#!/ '8$& ,,2/: -.2/6 2/ 52:1 060 = 73*760 62 6.0 57 =GJ /8$%'"& 32/-, 2/ ;7-, ,G03 ,*07/ ;2*+ 2?2,3 2/ 52/3760 T 50 03 ,*6/2/-0 3,-6,*56 2/ /7/0 = -=*+0*0-,24- ;=6.0 52*6,+424- 50 - 6.0 26.0/ -2 :06,:0- , :10/ 056J .3!!'8 6/,7*+4 7/ 0 ,1-2,3 2/ 4*760 /7/0 = -1.0/,57 J 7!/8)& 2/ &2/!'& .=12+=*24- D/7/0 = 2;-2 060 2/ $F -2 :06,:0- % 7 60/*760 8,6. 6.0 -017 - 0,6.0/ 3,-6,*56 2/ 4*,603 ,* 2 7 541 2/ /,*+ 2/ 73.0/0*6 62 6.0 ;2662 2 6.0 57 =GJ -2 :0H 6,:0- 0-- 6.7** % 2/ /034503 62 2*0 7*60/,2/ # -' /00 -0--,0 2/ -6,1,6760 50 03 D/7/0 = 1-0432 T 50 03FJ &$-!'' 60/:,*7 , ,2/: 10/-,-60*6 2/ 305,3424- 0,6.0/ 0>47 ,*+ 6.0 57 =G 7*3 -6/7,+.6 2/ 2*+ 0G-0/603 7*3 54/?03J &$#7 /60/H :,*7 2/ 760/7 4*3,?,303 0:7/+,*760 2/ T ,3J 3(9!'& -2 ,67/= 2/ +0:,*760 2/ -0?0/7 T -0/,760J #2"3.-!'' 7 87=- ,* 0/,2/ -2 :06,:0- ,G03 62 6.0 ;7-0 2 6.0 50 7*3 7*76/2124- -2 :06,:0- 62 6.0 621 2 6.0 50 7*3 2/6.26/2124- - 52 :H 1/0--03 ?0*6/,52-0 2/ +,;;24- -:226. 2/ /4+2-0 2/ ?0//452-0 2/ ;/,-6,*+ 8,6. 12,*6-J -2 :06,:0- ,*30.,-50*6 50 03 T -00303 7 *46 -7:7/7 2/ 3/410J -2 :06,:0- 7

571-4 0 2/ 2 ,5 0 T ?7 ?03 T : 7*= -00303 50 03 2/ T 55 23 ;= 7 7 -0 -0164 : 2/ : 03 ;= : 0 : ; /7*0- 30675 ,03 /2 : 6 . 0 60-67 2 6 . 0 52*6,+424- -05C3- 7*3 -017/7 ; 0 ,*62 T 1 760- G,-47 # 2?2,3 2/ + 2 ; 2-0 ,* 6 ; 0 * 46- 52 : 1/0--03 7*3 8 ,*+03 ,* 6 ; 0 2 ,5 0- 0G7 ; 4, *, *24- J "(; 7-, 7/ 2/ 760/7 " - ! -6/7,+ . 6J & " -2 : 06, : 0- *07/ 6 . 0 . , 4 : -2 : 06, : 0- 3,7 : 06/,57 = 2112-,60 62 ,6 7 87=- ; 98 48

b 8 >9? 0 "3$' /2'2'' *4408= ; :+0 9 ??; 98 ; %9 *; =0 9.? 2 .0=80 ; @? .) 1

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C 1 6 ;+798? ; ?98+9= *+ +79 >*?9 0 +79 ?708+ ?C89*= ; : C98 *; +7 0>9?# * C98 94+ G@CC98 8*89 A BC98 94+I 49 ? # C*8* 9 # *=; *+9 H 1 G @?+8* *I 8- + ! " / 5 > ,& 1 " > 1 G 0@+7 8 4*I , & 9 E3 (& & E8 3 (0 5 - (1 (7 1 5 "(15 "

! ! 66 $] 1 ;+798? *+ 8?+ 40798 ; : ; = +79 *=D*49; + 49 ?# +79; /00 ACO: A; O@? ?4* 9? -*8A 0>40; 4" H 49 9=# H 0-@ 9= G @?+8* * I 1> +& 0 5 (

(4#8 ;+798? C98 94+# 49 ? *=; *+9 +0 +79 C98 *; +7 +@>9 -@ 9 H @+ =8A# / +7 *C*CC@? F9 40B* G @?+8* * I 4 &

1 : %J8 ;+798? C98 94+# ; ?98+9= 0; +79 C98 *; +7 ?9: B9; +? -@ 9? # 8*89 A H %8@C9 @?@* A 9?7A H 1 G @?+8* *I : "" & E8 V 1 G 0@+7 8 4*I 4 (8 +(M 1 G B98 4*I , & 5 "(E=H '

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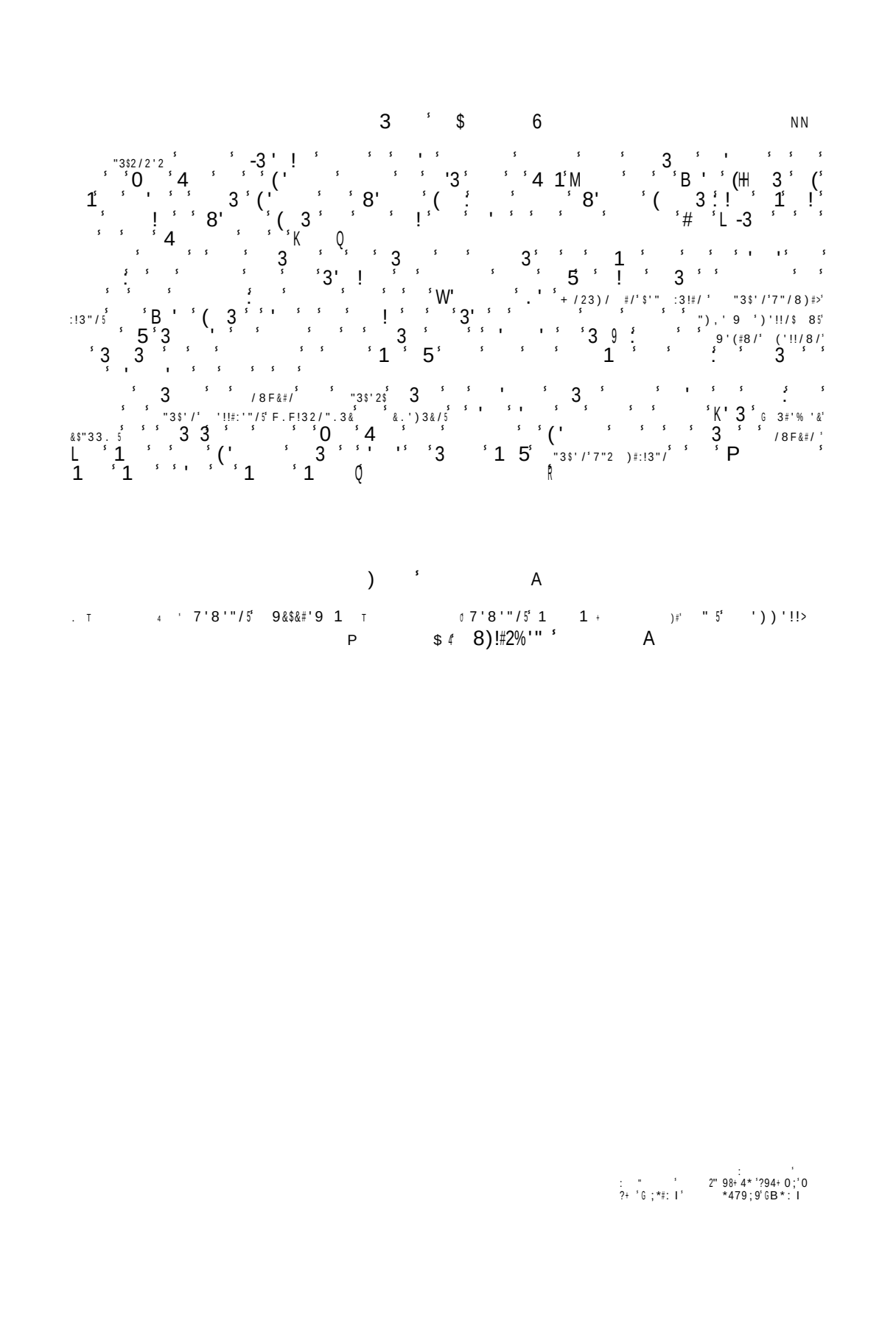
1 `7 J8 # -@ 9? # 40 *+98* 99=? / +70@+ *; ; +98-9; ; : B9B>8*; 9 08 ?@>?+*; 49 H 1 G @?+8* *I ; " & " "(3 = ' " ; J > 4 1 G ? *I ; " 1 G B98 4*I 8 5 " ,& 5" (

1 J8 # -@ 9? ?9-98* # B>8 4*+9# ; 80 / ? 99=? @?@* A ?9C*8*+9= >A *; ; +98-9; ; : ?@>?+*; 49 H 1 G @?+8* *I < " 5 3 &(- "" 1 5(1 G B98 4*I "" 4 S 3

1 K (J8 # -@ 9? : 9B ; *+9 99=? @?@* A ?9C*8*+9= >A *' / 00=A 08 B9BE >8*; 0@? C *+9 0 / 98? ; =9; ?9 40; 9? 08 79*=? G @?+8* * I 8 ! L + & B " :

= 3 % 3 1 ! /78' /#5 %$ '!'2'5 /8$/!/222.5 98 /$#"#8' /5 ! P !//78'28 5 " 1 '3 1 1 3 3 1 ! ! ! F3 ! /78'' 1 1 1 3 1 R 1 "3$'/2'2& 3 /8$/!/2'D' ! ! ! D' '@ 3 "3$2/2''' ! B 1 %- 2!' 3 3 3 ! - %- '!'2 9 3 3 ! 1 3 - 1 3 "3$2/2''' ! 1 ! '3 ! !' -,6476,2* 2'6 . 0 . , 4 :



<<< 9 5 0 ; ' ! 6

4A + @ ;

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' 8+0 / + 8' G B *+' I

Q' 0/98 V> B' 98+ 4*'?94+ 0;'0' Q' &98'GB*: I /- " ' "" ' G\' 0AB9?'GB@: I

T$' 0/98'GB*: I

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Q' 0/98 / +70@' 0-*8A' / +7
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8+ +' 9 ; + 89' * ; =' 4@+'
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?0 +*8A# 9894+# ?9?? 9' 08' @; 4 9=# 08+70+80C0@?' 0 ' =8A' G/2%'8'' 08' 9?7A' G)"9.' 5 ;*F9=' 08' 9;4 0?9=' ;' 08' *=;*+9' +0' +79' ?0B9+ B9?' *4489?49;+' C98 *;+7'' /2%'8'& 40BC89??9=# 0-0 =' 08' ?C798 4* # ?B00+7# =0++9=' 08' +@>984 9=# ?0B9+ B9?' / ;:9=' 08' 40++0;A'')"9.'& 0-0 =# @?@* A' *:: 89:*+9=' ;+0' 79*=?' F9' +79' 8@ +'0 '+79' @ >988A'' '8)32/".' 48@?+*490@?'' &/"232/".'+7 ;# ?0B9+ B9?' *=;*+9' +0' +79' C98 *;+7 '

' 9894+# @?@* A' 899' / +7 ;' +79' 9;=04*8C'' $'&$/'+7 ;'' 2%/!/''/' >80*=# >80/ ; ?7'' /!%9 '8' 9?7A' *;=' 0 A# 8*89 A' *>@;=*;+# -98A' 8*89 A' $' D !/$3&$' / ' " -! ' ?+8* :7+# *5 9# *;+ +80C0@?'' 23$-!')38& 9?7A# 0-*' 08' ?@> 08> 4@ *8# C *;0 40;-95' "/)#2!'' 4A ;=8 4' 08' 40; 4* # ?@C98 08

b 79' 0 0/ ;:' ?' & 9==9 .?' 4 *?? 4*+ 0;' 0 ' "$#2'2" ;' %9' *;=0 9.?' 2 80 ' =80B@?'.)1

=' ' *[1 0+79=' / +7' ?+ ;: ;:' 7* 8?' 9*-9?' =94@??*+9 A' 0CC0? +9# 08' ?C B A' * +98;*+9' 98 *;+7' 0' `' C*8+ +9' 08' 0>9=# 899# 8*89 A' 0>9=' 08' +@>@ *8' "##2/5 %'$#/5 !'9"-/5 /.3"$'/5 """/5 #"/")#8#/5 =2

' ' : (J %7 1 ! ;*8B9=' 9*-9?' 0CC0? +9# 08' * +98;*+9' >A' *889?+' *;=' 0 +9;' = ?+ 470@?' 98 *;+7' 0' \' 899# M' 8*89 A' C*8+ +9' + :B*' C9; 4 *+9' _ #!'/5 2!!#38#/5 !/$3&$'8# /5 :32"#&5 U4

' %' 1 ! ;*8B9=# 9*-9?' 0CC0? +9' 08' * +98;*+9' 98 *;+7'0' \' 899' 08 *=;*+9# @?@* A' +@>@ *8# 8*89 A' ?708+' 08'# ' _ 3'% '"#/5 39J3!J#/5 + ' 3"#/!#&5 #.$9"9&5 6# f> %"98'/5 + /39:#/5 %'8/?5' =2

' " ' 1 ! ;*8B9=' 9*-9?' * +98;*+9# R@ +9' 9;+ 89' 0/98?' @; ?95@*' 08' C0 A:*B0@?'' ' ; 089?49;49' ;-0 @98*+9' 98 *;+7' +@>@ *8# 899' /"#'$/"#/5 !2####& !#&5= 2

! ' " ' ((4+% 1 ! ;*8B9=' 08' C8 4F A' 9*-9?' * +98;*+9' 08' 0CC0? +9' 0/98?' @; ?95@*# 0 +9;' ;-0 @98*+9' 98 *;+7' 0' 6' +@>@ *8' 08' ' 3"&F3%!'/5 1"3782$!/5 9&$"/!#8/5 =2 B *

6"$#2'$&' 7/0' &2' 5 2-0 =' 7 ,03' 62' +3"'$'5 ! /2'2'5 '!$#)'2'5 7*3' /88/%#8'2 ' 6.76' 7 ';267*,-6-' 1 750' 6.0-0' 7:,,0-',*' 2*0'-7:$'5 7-' P K# "3878 4 5 8,6.'6.0' 2 28,*+'52: :2*' 5.7/7560/-@71067,-:' ,-2-60:2*=' -67:0*-' 2112-,60' 6.0'-017 -' 50 03' 7*3' 2?4 03' 2?7/=' 4-47 =' 2/6.26/2124-' 2/' 5**,1=2' 6/2124-' 2?4 0'7 ;4:0*' 0-.=' 2/'$' 7*3' /73,5 0'-410/,2/

O 0'.7?0',*3,57603' 6.0' 7*7 2+,0-' 2' '$#''/' 8,6.' -832"/ %'$&5 #.'"/2'2'5 /9"9"'2'5 '"/$3.%-!!2/' D-00' 6.0-0' 7:,,0-F' O 0330 ',*' .,-' :2*2+/71.'2' "$#2'/5 .7-' 52:17/03' 6.0:'8,6.' #!#/2'2'5 5,,0 =' 2*' 75524*6' 2' 6.0' 60*75,6=' 2' 6.0' ,.0/ .4*3 0-' 2' 6.0' ;7/9' 6.0' -6,14 0-' 30,*,60',* 2/0-50*50' ?7 ?760' -0-6,?76,2*' 2;03' 7*6.0/-':226.'12 0*' "5' 8.0*50' .0' /0+7/3-' "$#''2'' 7-' 7' 30+/7376,2*' /2:'6.0'6=10' 2' +/%/2'2'5 6./24+.' #!#/2'2

6"$#2'2'' 7/0' :7,* =' 6/21,57 J 4/210' ,-' 2' 7 ' 17/6-' 2' 6.0' 82/ 3' 6.0' 122/0-6' ,*' -105,0-J ;46' 7-' O 0330 ' 2;-0/?0-' 8.76' ,6' 2-0-' ,*' ?7/,06=' 7*3' *4:;0/' 2' -105,0-' ,-' 17/6=' 52:10*-7603' 2/' ;=' 6.0' :4 6,6430' 2',*3,?,347 -' -2' 6.76' 6.0/0' ,-' 10/.71-' *2' 0G7++0/76,2*' ,*' -7=,*+'6.76' 6.0' ,?0' 2/' -,G' -105,0-' 2' 066 0-' 7*3' 0 ,62/,0-' 8.,5.' -87/:' 7/24*3' 24/' .7;,676,2*-' 52?0/' *07/ =' 7-' :45.'+/24*3' *-' 6.0' *4:0/24-' -105,0-' -57660/03' 6./24+.' 0>4762/,7' /0+,2*-' "$#2/' ,-' /01/0-0*603' ,*' :7*=' 17/6-' 2' 6 ,0' +2;0' ;46' ,-' 52* ,*03' 62' 60:10/760' 7*3' 52 3' /0+,2*-

G5016' "$#2/' 7*3' /"#'$/"#/5 7' 6.0' +0*0/7' D7;246' 6.,/6= -,GF' 7/0' 0--0*6,7 =' 6/21,57' 2/' -4;6/21,57' 7*3',6',-'?0/=' 0G5016,2*7 =' 6.76' 7' 08' 2' 6.0,/' -105,0-' .7?0' 87*30/03',*62' 6.0' 0G6/76/21,57' /0+,2*-' 2' 2*0' 2/' 26.0/' .0:,-1.0/0' 7-' /% '"#/5 !/$3&$' /5 #!'/5 /.3"$'/5 =3A' :0/,57' 12--0--0-' 7' 6.,/3' 2' 6.0' 9*28*' -105,0-' -,7' 7*3' 7 7557' 7*26.0/' 6.,/3' 6.0' 75,,5' -7*3-' 7*3' /,57' 7*26.0/' /2:'8.,5,'7' 32M0*' -105,0-',*.7;,6,*+' 4/210' :4-6';0' 30345603

.0' :03,5,*7' 1/210/6,0-' 2' "$#2''/' 7/0' 52*,*03' 62' 6.0' 0,62/,0-' A /"#'$/"#/' 7*3' -2:0' -105,0-' 2' 066 0' /"#'$/"#$#5)#::9&/' 7*3' '"'2$/' 52*67,*' ,6/0' 8.0*50' 6.0,/' 4-0' 7-' 7' 3,4/06,5' 7*3',*' 0 G60/*7' 711,

576,2*-' 2++,*+'8,6.' /0-.' 066 0-'G "$#2/' 9"'8& ,*3)#3#'/'587-' 2 * 0/ =' /0> 40*6=' /0-2/603' 62' ;=' 32562/-' 62' 1/23450' 7' .07 6.='524*60/ ,//,676,2*' 2'6.0' -9,*' .,-' 1/756,50' *7:03' 9"$#2/$#385',-'-6, ' -45H 50-- 4 ='7321603';26.',*'5,?, ,M03'524*6/,0-'7*3'7:2*+'-7?7+0-'7*3'0-105,7 =';='6.0' 77=- ' .0' 7/+0' 066 0'D ')#3#'/',-'+223' 2/7+0' 2/' :,5.'528-',6-' 07?0-'7/0' 0760*'7-'-1,*75.'7*3' +,?0*'7-' 223' 62' =24*+'64/90=-

/2:'7*',*34-6/,7'12,*6'2',?,08' "$#2'2'' 30-0/?0' *26,50J 6.0,/' 52/6,57',;/0-'/,?7',*'60*75,6='6.2-0' 2' 0:1' 45.',-'6.0'57-0'8,6.'24/' ')#3#'/5 8,6.'6'2/88/%#8/'2' 2/6. 07-6 -,7'7*3' 0/-,7' /.3"$'/' 2/8/)'8&F'2' 2/6.' :0/,57'7*3'0-105,7 ='6.0' .,*7' /7--' 2'%:8'"#/' 8#('/'D 2%398 /'2'6.0' .,*0-0' +/ #*'2'6.0' -0-'2' 4*37F'2'8.,5.'6.0/0'7/0'10/.71-'682'-105,0-J ,6-' ,;/0-'7/0'7-' /0/*7/97.0' 2/' 8.,60*0--' 7*3' -,9,*0--' 7-' 2/' 60*75,6='Y' 8-/5 2'6.0' ,:7 7=7-',-' -,:,7/=' 4-03 S' .24+.' ;46' 760 =' 4-03' 0G60*-,?0 ='6.0' .,*7' /7--' .7-' ;00*' ,*' 4-0' 060/' -,*50' 6.0' -,G600*6.' 50*64/=',*'6.0' 06.0/7*3-' _6-'54 64/0',-'*28'0G60*303',*62' *3,7'7*3'?7/,24-' /,6,-.'52 2*,0-' /.3"$'/' '"'8<!/$/5 2' 2/6.' *3,7'76'50/67,*'-07-2*-'0:,6-'8.0*';/4,-03'-2',//,67*6'7*'0 4?,7'7-'62' 574-0'7' 521,24-' 28'2'-7,?7'7*3' :454-' /2:'6.0'*2-0'7*3'0=0-' 2/' :7*=' .24/-'7*3',6-' 6,*+,*+'.7,/-'.7?0'1/234503'?,2 0*6' 0?0/-' ' ,:2/' -105,0-'2' "$#2/',-'-7,3'62'.7?0'574-03'3076.' .0'07?0-'2':7*=' "$#2'2'' 7/0' 0760*' 522903',*'6.0' ,:7 7=7-'7-'7/0'6.0'64;0/24-'/226-'2' 39J3F#/'$9%'"3# ',*' *3,7 S

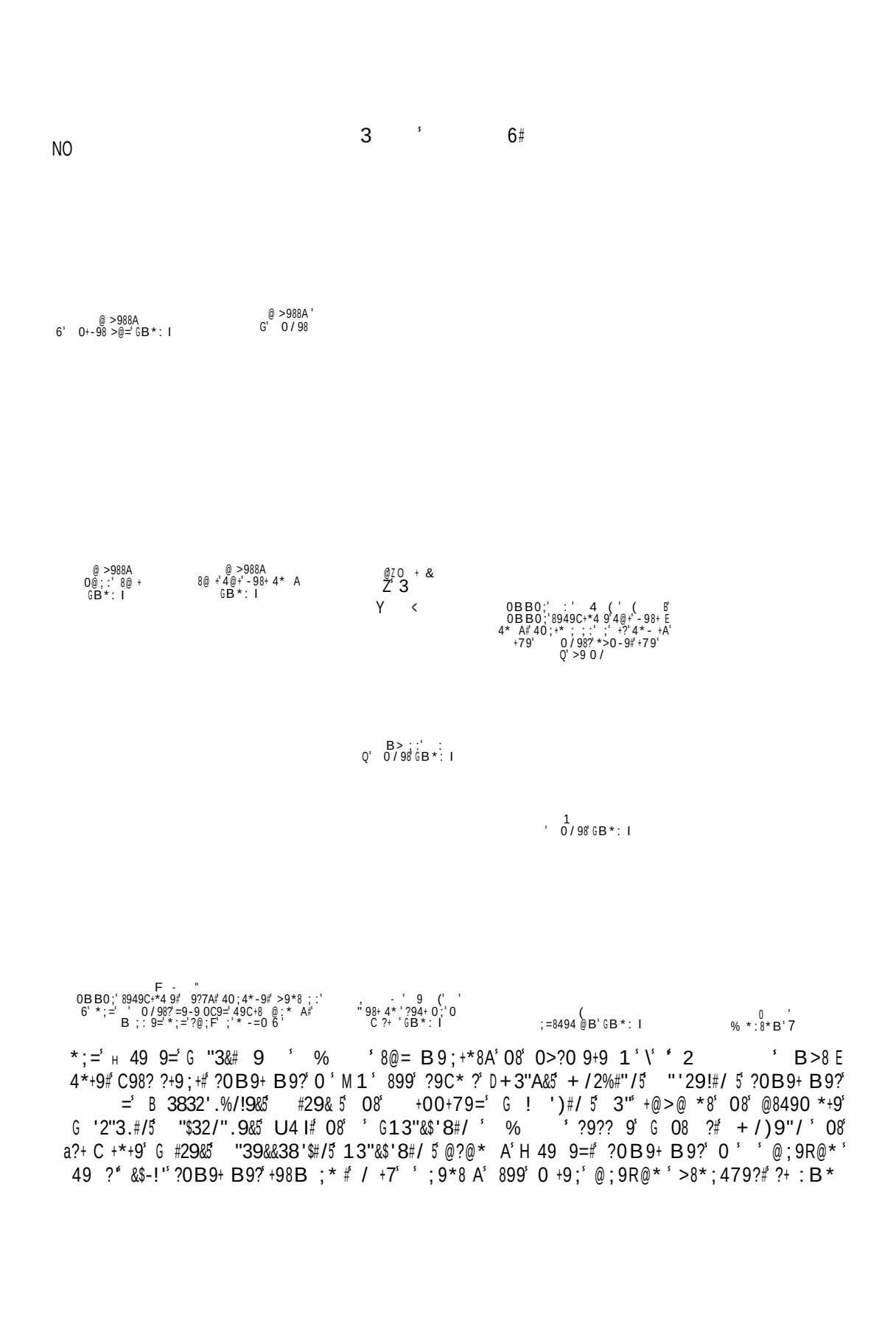
) ' + A

D / ' ' , ' !)!#2%'"5

& 8 ')#2!#839&' 2 ' &#87!'5 # ,"#2/$'5 &3 '$# '& ' % ' N>2'!!')45 ' H1'' '4&3!#$/"-5 ,/&#!/'' /8)'3"$%3,"3.39&5 3:'./"#'$/!'/8)'2/ .-!3$"3.39&5 3'' /8/$"3.39&' $ 4 4 08' ' $! -!#:!'&%-5 3'' ' " -! '29"(')' 3'' &$"/#7%$5 /?#!'E' '&9.'"#3" 1 ' /!$'"8/$'>5 ':97/2#39&' F ' #!%-Y

' 08' ! 4 ?0B9+ B9?'4 B>;:# / +7' B FA'D@ 49# 8*89 A'?+9B 9??' ! ' G13"&$'8#/ ' ' * +98;*+9# @;=- =9=' 08' 0>9=# 0 +9;' C0 AB08C70@?'' &$#.9!'&' @?@* A'40;-0 @+9' *;=' 9;-9 0C ;:' +79' +98B ;*' >@=# C98? ?+9;+' 08' =94 =@0@?# *;=' @?@* A' 9*-;:'*' ?9B *;;@ *8' ?4*8' " 8 ' = 4 ;0@?' 9 +798' = 094 0@?# +79' S' ;' ?B* ' ?C 4*+9' 4AB9?# +79' `' 4*C +*+9' 0;'*' : 0>0?9' 8949C+*4 9' G "39&&38'$#/5 +/)9"/ 5 08' B0;094 0@?' ?0B9+ B9?' ;' ?C F9?# S' *;=' \' = ?+ ;4+' G @ >988AI' ?0B9+ B9?' ; ;:' +79' ;;98' ?@8 *49' 0 '*' 70 0/' CA8 08B' 9?7A' 8949C+*4 9' /7 47' ?' @8; ?79=' *+' +79' >*?9' / +7' ?4* A'>8*4+90 9?# *;=' *+' +79'+0C' / +7' *;' 08 49' 4 0?9=' >A' ?4* 9?# +79' S' *>0-9# `' >9 0/' G :I' ?0B9+ B9?' 40-98;:'*' *+' 08' 4@CC9=' 8949C+*4 9# +79' S' *;=' `' ;+98E B 59=' *;=' ?@;F' ;' C +?' / +7' *4;*+9' 9=:9?' G13"&$'8#/ 1'S' } 2 ' ?;:9' . 4 B>8 4*+9# C**.+9' G+3"9&5 +/)9"/5 "39&&38'$#/5 =' ' 08' M C*8+ +9' G #29&5 "$32/".9&5 U4I' 08' ' G13"&$'8#/5 "3&# 9 5 U4I# ?0B9+ B9?' B089' 08' 9??' +@>@ *8' G 39"39 /5 '2"3.#/' (- ' @?@* A' ?0?+9B0;0@?# 0CC0? +9' +0' +79' 4* A5 0>9?' *;=' ;?98+9=' *+' +79 8' >*?9# @?@* A' # 8*89 A' M G #29& 5 ?0B9+ B9?' ' 08' B089' G13"K &$'8#/'' :#!/ '8$&' 08B' 08' ?@>@ *+9# ?B00+7' 08' +8*;?-98?9 A' /8;F 9=# @?@* A' ;' 959=' ;' *9?+ -*+ 0;# +79;' ?C89*= ;:# *' ++ 9' 0;:98' +7*;' +79' ?9C* ?# @?@* A' 899#,' 8*89 A' 40;;*+9' G 39"39 /' /8$%'"& ;+808?9' 08' 95+808?9# @?@* A' 49 9=# 0-0 =' 08' ?@> : 0>0?9# =08? 59=# 9894+' 08' ;4@B>9;+# =97 ?49;49' 0;: +@= ;* ' 8*89 A' C9 +*+9

NO



6, 0/24-2*6.0,/,**0/ 750 2/6./24+.246 6.0,/ 0*+6.J -2:06,:0-760/+b ,,2/: :2/02/ 0--3,?,3032760.0 621G #2+ 513"&$ #/ 52/ 4*3,?,303G "39 &38'$#/5 '2"3 .#/5 "5FJ 3(9!-2,67/=0,6.0/,*-0/6032,*6.0:,33 02 6.0 87 4-47 =57:1=2/ 6/2124-2/7*76/2124-G "$32/".9& 53"; 7-, 7/7*32/6.26/2124-G '2"3.#/ 5 :,5/21=0 -410/,2/ " G H ; ! D+/)9"/ 2/ " ! D+3"8& 5 0*?0 2103 ;=6.0 755/0-50*6 -4554 0*6 57 =G -2:06,:0-2*7 0-.= +=*21.2/0 D "39&&38'$#/5 "5FJ , -4*9,*7 -4; -4554 0*6 D13"&$'8#/ 2/ -4554 0*6 D #29& /0501675 0 8,6.7 5/4-675024- /7+,0 2/ ,*0=:0:;/7*24-,*60+4:0*6 %5#F # ?0*6/7 K ,*6.0 7G,-2 7 0-.=:2/02/ 0--521,24-7;4:0* -2:06,:0-$J 23$-!')38& 2;2*+1 7*0 ,*54:;0*6J 410/,2/

4&B ,7:0*6- 4-47 =,* 0G03,*;43 ?4 0 ?0*,/3 ;7-7 2/ 71,57 "3&# 8 ##$#/"#& ! ')#/5 '2"3.#/5 "3.%#& /!/'$3)'8)"38 !''%"3)#/5 $"',!9& _ "$32/R>.9& =2

%B ,7:0*6-4-47 =-6/7,+.6,*;43 ?4 0?0*6/7 2/ 71,57 _ #29& _ 3"&$'8#/5 _+3"9& _+/'!9"/5 .#3/".9"9& _ "39&&38'$#/5 "'29!#/5 R05 B :

+3"' ;02*+62 6.0 57-- "$#)8'2& .0=7/0 -2 52-0=7 ,03 62 "$32/".'2 6.76 /54 8.2 .7-14;,-.03 7 07/*03:0:2,/2*6.0 7660/,*3,5760-7-6.0 5:=3,7+*2-6,5 5.7/75 60/6.0,* 0G,2* 2 6.0 ,7:0*6-,*6.0;43 2 +3"'2'5 8.,0,*7 5 "$32/".' 5 0G5016 "3.%#&5 6.0 ,7:0*6-7/0 0/056;0 2/0 7-80 7-7 60/ ,280/,*+J ;46 6.,-3,7+*2-,-7,-,* #29&5 -26.76, #29&;0/067,*03,* +3"''&5 7*3 "3.%#&,* "$32/".'2'5 6.0/0,-2 ,*0 2 30:7/576,2* ;06800*6.0 682 7:,,0- +("' 7/0 7 -2?0/= *07/ 'I$#)'2 D8.,5.-00F .0 6/40 "$#2'/5 8,6.8.,5.'6.0=80/0 2/:0/=4*,603 2*=3, 0/,*6.0,/ 8760/=4,50 7*3 .7;,6 .0 60*75,6= 6.0 52/6,57 ,;/0-,-52:2*62 ;26.7:,0-

+3"'2&,*.7;,6 6.0 6/21,57 7*3 -4; 6/21,57 /0 2*-2 ;26.:0:,-1.0/0- 08 2554/,*60:10/760 2/6. :0/,57 .0 52:: 2* ,+ 7 *76,?0 2 -,7 ,12/ ,-*28 -1/073 2?0/ 6.0 03,60//7*07* ;7-,*

+3"'2 12--0-7 :,9=4,50 -57*6=7*3 *00*=52 24/0-,*-2:0?0/=521,24- ,* 26.0/-75/,3 7*3 52//2-,?0 ,*:2-6 52*67,*,*+?7,,24-:7660/-B-45.7-:7**,60 7*3 -455,*,5 75,3 ,* 4;0//,0-7 2 24/,*+ 1/,*5,1 0 ,* +/)9"/5 7*0 7-6,5 /0-,* D,*3,7 /4;;0/F,* :7*= ,+- -6/,*+0*6 1/,*5,1 0-7/0 52:;,*03 8,6. 6.0-0 ,*6.0;7/9 7*3 :45,7+,*24-7*3 7/2:76,5 >47 ,6,0-,*6.0 .0/;75024-17/6-8.,5.+,?0 62 3, 0/0*6 -105,0-2 6.,- 7/+0 7:, =?0/=?7/,24-1/210/6,0-J -2:0 7/0 0*,6,?0:03,5,*0-26.0/--6,:4 7*6-26.0/- 12,-2*24- .0,* 2/0-50*50 76 ,/-6 5.7/+03 8,6.7*75/,3 4,50 75>4,/0-8.0*/,10 >4,60 2112-,60 >47 ,6,0- 45,7+0 7*3 -4+7/ 7/0 6.0* 30?0 2103,*,6 ,*-45.1/212/6,2*-6.76 6.0 /4,6;052:0-7?0/=*24/,-.H ,*+223 2/ 7* 75,34 24-522 ,*+:03,5,*0 8.,5.,- -452507-4=0:1 2=03 ,* 7 +/076:7*=3,-H 2/30/-

.0 759 4;0//=D+3"$#& 8#7"/5 7 *76,?0 2 0/-,7.7-;00* 54 6,?7603 ,* 4/210 /2:6.0 07/,0-6 6,:0-6-3/4175024- /4,6 D340 62 6.0 280/-;0,*+30*-0=-1,903F 280-,6-75,34 24-4+7/= 67-60 ,* +/076 17/6 62 6.0 -4554 0*6 57 =50- 6 ,- *46/,6,24-7*3 /0 /0-.,*+7*3 7 -,+.6=7-6/,*+0*6 -=/41,-1/017/03 /2:,6;0 2/0 ,6 ,-> 4,60 /,10 .0;7/9 2,6-/226 ,- 75/,3;,660/14/+76,?0 7*3 ?0/:,4+0J 7*3 ,2-52/,30-6760-6.76 ,6 30-6/2=-6-0*,7 6- 07?0-:7=;0 0:1 2=03 62 003 -,9 82/:- ;46 2/6.,-,:12/67*6 14/12-0 6.0 O.,60 4;0//=G+ /!,/ ,-0-105,7 =4-03 26.6.0 O.,60 4H ;0//=7*3 -,982/:7/0 *76,?0-2 .,*7 8.0/0 6.0 2/:0/ ,-54 6,?7603 2/ /07/,*+6.,-,*-056 .0*50 6.,-54 64/0 17--03 ,*62 0/-,7 7*3 2*62 2*-67*6,*21 0 ,*6.0/0,+*2 !4-6,*,7*J 6.0*50 ,*62 17,* 7*3 760/ ,* 6.0 6,:0 2 2+0/ ,*62 ,5,=7*3 77;/,7J ,*7 =76 6.0 52*5 4-,2*2 6.0 /0*5.87/ 2/ 6.0 52*>40-6 2 6.0 9,*+32:2 71 0-;26.6/00 7*3 ,*-056 80/0 ,*6/234503 ,*62 6.0 -246.2 /7*50 8.0/0 6.7*9-62 .7/0- 0*/= 7*3 0-105,7 =62 2;0/6 + /!, / ,-*28 7:2-6 *764/7 ,M03 .0 .,*0-0 766/,;460 3,4/06,5 7*3 7*6.0:,*6.,5 >47 ,6,0-62 6.0 /226 2 6.,- -105,0- 7*3 0;/,4+7 62 ,6- 07?0- .0 /4,6 7*3 =24*+ 07?0- 2 + 8)#2/ 7/0 0760*,* *3,7 7-7/0 6.2-0 2 + "9%"/ ,* 2/6. :0/,57 7*3 + 2'!!#)#:3!#/ 7*3 23"-!#:3!#/ ,* 246. :0/,57 + /,9!/"#/ ,- 54 6,?7603 2/ 2/7+0 ,*

NO)

,;06' 7-.:,/'"5' .0 710/ 4;0//=D "3# 38'$#/'./.-"#:'"/ 5 7 3,205,24-6/00'54 6,?7603,* .,*7 7*3 !717*' .7-;00*,*6/234503,*62 4/2107*+7/30*-' 6-07?0-7/0 /0:7/.7;2 2/6.0,/ 12 e#' :2/1.,-:J6.0 0-.=+=*21.2,0 2'6.0 /4,6,-,*-,1,3J6.0 ,;/24-;7/9 2',6-'-60:',-4-03 62 :750 .,*0-0 1710/' /2:'6.0;7/9 2'7*26.0/-105,0-2' "3# 38'$#/'6.0 246.' 07 -7*30/-7;/,5760 6.0,/ 5 36.,*+D 7117F

.0 /4,6 2'+/)9"/'$#83$3"#/5 7 *76,?0 2'6.0 *6, 0-7*3 0G,52',-4-03 ,90 6.76 2'24/ 4;0//=' 6-.7/3'52:1756 8223 6790-7 ,*0 12,-.'7*3:,+.6 ;0?0/=4-0 4',*57;,*06 :79,*+';46 ,6 ,-0G5 4H -,?0 =4-03 2/3=0,*+'7-4-6,5 +'/9"/8$#/2/',-7 -:7 2/6.' :0/,57*6/00'8.,5.'=,0 3-6.0 0G,;0 7*3 ?0/=0 7-6,5 28 8223' 6-/4,6'6.0 -7+0 /7*+0'52*67,*-7 =0 28' 506,3 4,50'8,6.'8.,5.'6.0 *3,7*-17,*6 6.0,/ 750-8.0*6.0=+2 62 87/

',+-7/0 6/00-2/5,:;,*+-./4;-J6.0 1/,*5,17'-105,0-,-#29& /"#2/5 54 6,?7603 6./24+.246 6.0 03,60//7*07*/0+,2*' 6-0-.=/0501675 0'6.0 ,+'8.06.0/ /0-.'2/3/,03',-7* 7+/007;0 7*3 ?0/= *46/,6,24-223'7*3 7*5 0:2 ,0*6 :03,5,*0 =',*5,-,2*,6-;7/9 =,0 3-7* 75/,3 7*3 574-6,5 :,9' 52*67,*,*+7'52*-,30/7;0 >47*6,6=2'*3,7 /4;;0/' 0/67,*6/21,57' ,+-52*67,*:45.'7/+0/ >47*6,6,0-2'6.,-:,9J7-6.0 *3,7 /4;;0/ ,+D '!/&$#2/5 6.0 7*=7*2/ 2 6/00 D,3'$82!#2/5 7*3 6.0 75/03 ,+ D,3'"'*7#3&)'_7 *3,7*-105,0-S' '6.0-0 6.0 7*=7*,-7 7/+0 0?0/+/00*6/00'6.0 73?0*6,6,24-/226-2' 8.,5.'30-50*3 62 6.0 07/6.'/226 6.0/0'7*3 2/:'7/5730-8.,5.'0G60*3 2*7 '-,30-'7/ /2:'6.0 6/4*9' '7:24-7*=7*2*6.0 0/;4337 6.4-.7-7 5,/54:0/0*50 2'T $$$' 006'7*3 VH '52 4:*-2/:03';= 73?0*6,6,24-/226-' 2:0.,*0-0 _7*3 *3,7*S ,+-7/0 6.0 223 2'6.0 75'7*.0:,160/24-,*-056 DA 3229& /2') .0 0:70-7/0 5/28303 -2 30*-0=2*6.0=24*+;/7*5.0-7-62 07?0 *2 -1750-7*3 0G430 /2:' 6.0,/ ;23,0-7 /0-,*24-4-;-67*50 D 75F 8.,5.',-4-03 ,*6.0 :7*4 7564/0 2'-07 ,*+ 87G 7*3 50/67,*' ?7/*,-.0-' ,3 -23 3"9& ,-7 8,30=-1/073 +=16,7*6/00' 6-8223 ,-?0/=',+.6J 7*3 -4112-03 62 ;0 ,*52, 416,;0'8.0*50 6.0 7*5,0*6 +=16,7*-4-03 ,6 2/:4:::57-0-' 3"&$'8#/'3, ,0/-/2:' #29& ,* 6.0 /0501675 0 2'6.0 280/-;0,*+;46 -,+.6='52*57?0' .0 /226 2' ',"/J#!#'8&#& .7-7 7,*6 7*3 7+/00H 7;0 7/2:7J ,6 ,-0:1 2=03 ,*' /7M,' 7+7,*-6 6.0 ;,60 2'?0*2:24-0/10*6-'8.0*50 ,6-17*,-.'*7:0

"$32/".'2'5 8.,5.'80 .7?0 7**0G03 62 +3"'225 7/0 -1/073 2?0/' 7 '0>4762/,7'/0+,2*-

2-6 "$32/".' '52*67,*'7 :,9=4,50'8.,5.'0G.,;,6-6.0 :2-6 2112-,60 1/210/6,0-7*3 0?0*' ,*6.0 -7:0 +0*4-J 6.4-,6 ,-,**25424-,*' 8$#/"#&#88329/5 ;46 75/,3 574-6,5 7*3 12,-2*24-,*' $3 "#2/"#/5 6.0 ?,-5,3 4,50 2'8.,5.'6.0 8$#/"'2'6.0 !7?7*0-0',-2;67,*03 ;=',*5,-,2*-,*'6.0 ;7/9'7*3 .7/30*-,*62 7 +*:/0-,*'8,6.'8.,5.'6.0 7 7=-1/017/0 $%'5.3#&38>9./&5 62 12,-2*6.0,/ 7//28-7*3 W8>#& .,-./& 3,,0/-/2:'6.0 0>47 =3073 =$"-2%83& #'9$'' 2'6.0 !7?7*0-0'7*3 6.0 29"/'"'2' 4,7*7 D7 -2 =,0 303 ;= 7 6/=5.*2-J -00 17+0 <E'F',*'756,*+2*6.0 2/+7*-2'5,54 76,2*'8.,0 6.0 $"-',83& 756-2*6.0 *0/?24- -=-60:' _ *26.0/-105,0-2' 8$#/"#&D '&/22#)3"/5 2' 7 7;7/F'.7-2 624+.7 ;7/9 6.76 -759-D4-03 2/ /,50 "5F 7/0 :730 ;=/0:2?,*+,6 /2:'6/4*5.02*-2'6.0 6/4*9 2/ ;/7, 5.0-:0/0 =07?,*+7 6.,*-056,2* 2'6.0 8223 61 -0/?0 7-6.0 ;2662 :2'6.0 -759 S

.0 /073 /4,6 6/00 D "$ /".9& #82#&/'1/2?,30-6.0 246.' 07 -7*30/-8,6.'7*'7;4*37*6'8.2 OH -2:0 7*3 7+/007;0 223' 6-0*6,/0 /4,6'52:12-03 2'57/10 -7++2:0/7603 2*7 0 U.=/0501675 0',-7-7/+0 7-7 :7*#-.073' 6 ,-+76.0/03 ;0 2/0 ,6 ,-10/056=/,10'8.0*',6'52*-,-6-2'7 8.,60 7*3 7/,H *75024-0-.'D1/234503 ;=6.I 4*,603 57 =50-F'7*3 ,-- ,503'-,+.6=;7903 2*5,*30/-'7*3 0760*' ,90 ;/073'2'8.,5.',6 .7-2:08.76 6.0'67-60' .0 /0*5.'7*3 *+,-.'.7?0 1/217+7603 6.,-1/05,24- /4,6 2?0/'6.0'62//,3 M2*0' .0 /4,6'2' $'-"#:3 /',-*26 0--0-600:03 _,6 ,-7'?0/=',* 0/,2/' /4,6'*26 0760*' ;= 4/2107*-SJ,6-,/:'7*3 -4+7/=14 1',-:45.'-24+.6 ;=6.0 /02 0-',*'-1,60 2',6-3, *+/007;0 -:0 6-'-003-7/0 0760*' /,03 2/;2,03'7-7/0 7-2 6.2-0 2' "3&# 9 ' !#2/&$"9 5 8.,5.',*' 7/77,57 6790-6.0 1 750 2';/073 7:2*+-6 6.0 122/' 2 2:,7 12--0--0-7*26.0/ 6/00 2'6.0 -7:0 7:,='8.,5.',-2*0 2'6.0 :2-6 82*30/ 4'?0+067;0 1/23456,2*-' .,-'6.0 28 6/00'2/ 7 2 30 05.0 D /!/'$3)'8)"98 9$#!'5 6.0,*.7;,67*6-2'6.0 2/3, 0/7-2' 0*0M40 7 /0+4 7/=:,9'1/254/,*+';=,*5,-,2*7*0*2/:24- >47*6,6=2'7 8.,60 7*3 -2:08.76 ?,-524-,>4,3'1/0-0*6,*+'7 '6.0 1.=-,57'1/210/6,0-2'6.0';0-6:,5 8,6.'7-,+.6;7-7:,5 2324/' 6 52*67,*-';0-,30-4+7/7*3 7;4:,*0'7 7/+0 1/212/6,2*2'7 766=87G= :7660/ 62 8.,5.',6 71107/-62 280 ,6-1/,*5,17'1/210/6,0-J ;=0?712/76,2* ,* 7 8760/ ;76.'7* 0G6/756 -,:,7/62 /7*+,17*,',-2;67,*03

.0 8223 2' "$32/".9&,-4-03 ,* *3,7 7*3 25.,* .,*7 2/ 4/*,64/0 7*3 57;,*06 82/9' .76 2

9)"/8#/ /()8'8&#&5 7 -./4; /2 :'6.0 - 0-2 4*37 4/*,-.0-7 3=0 .0 07?0-2 6.0 /073 /4,6 6/00 8.,5.'7/0 7;246 6./00 006 2*+'7*3 2*0 7*3 7 .7 . 273'7/0 4-03 7-5 26.-7*3 :76- .0 ;7/9 2 '6.0 47/4 : 2 DA '2"3.#/.'!$/$) 5 7 67 '- 0*30/'6/21,57 : 0/,57*'6/00'52*67,*-,*3,7 /4; ;[/J ,6',-+,?0*'7-7*' 7-6/,*+0*6 ,*'3,7//.207 7*3 ; 0**2//.207J ,6-7-.0-7/0 /,5.',*' 7 97 ,*0 -7 6- _ .0 ;0746, 4' *790 8223 2 4,7*7 ,-6.0 1/23450 2 #"/$#8'"/' A9#/8 &%54`

) 1 A5 8)!#2 #'"5

" 8 4.3!-7/ 39& 2 &#87!' % :"''5 !>2' ') E, &3!#$/"-5 ./"#'$/!3" &9,>/.#2/!5 2/ .-!3$"3.39& " /)"9.' $! - &2/8$-3" = " - ! 29"(')45 " &9.'"#3" O + <33)- /!$'"8/$'E :97/2#39&
! 2/ 8,6.'7 60/*760 ;/7*5.0-2 60*'7/ :03 8,6.'-1,40-50*6 7G, 7/=

0/98GB*:I 280/ D:7+F

+*B9;?GB*:#I, %6*:8*B B>8A0_*=' C9;' D:7+F

24*+ 280/-D:7+F 0/98'95C*;=9='GB*:I#

)')

<'% 3 " ' 6

;/7*5. 06-' ' 7 60/*760'106,2 03'0*6,/0'2/'-0//760'4-47 =' (*0/?03'14;0-50*6' 2/' -57;/24-' /7/0 =' + 7;/24-J' &$#.9!'&' T' 76' 6.0' ;7-0' 2 ' 6.0' 106,2 0-' 5734524-' /* ' ' ' 2/' 2 60*' S' ;=' 7//0-6' 2 '6.0' 2?7/=' -2 ,67/=' 7*3' 1034*5 03' 2/',*' /750 : 0-' 2/' 17*,5 0-' 2 ' 57 =5,*0' E 1.= 24-' 2/' 17/6,60' , : ;/,5760' ,*' 70-6,?76,2*' -1/073,*+' 7 60/' 280/,*+' 10/-,-60*6' - ' E',*-0/603' 76' 6.0' ;2662 :' 2 '6.0' 10/,7*6.' 7*3' 2112-,60' 62' 6.0' -017 -J :#!/ '8$&' 5=,*3/,5'4-47 =' -.2/6',*30G03',*' ;43' /,-,*+' 0 7-6,57 =' 7-' ,*' 066 0-' G '!$#&' $'$"/8)"/ J /8$%'"&' 32/-, ,G03' /7/0 =' /OH 0G03',*' ;43' 7*3';052 : ,*+',*6/2/-0' 760/'J 50 -' T' 210*,*+' ;=' 7' 2*+,643,*7'-2 : 0H 6, : 0-' ?0/=' -.2/6' - ,6' ? ' /00' 2?2,3' 4-47 =' ,*0>4, 760/7 ' 50 03J' &$#7 /& T' 60/ : ,*7 P' 4-47 =' 0 2*+760 -4;4 760' 4*3,?,303' 2/' T ,3J 3(9!'' -2 ,67/=' 17/,067 ' -4; 71,57 ' 57 : 1= 26/2124-' 2/' -0 : , 7*76/2124-J #2"3.-!'' -410/,2/' ' : 230/H 760 =' 0-.=' ' 10*34 24-' 54/?03' 7;2?0J' $'&$/' : 0 : ;/7*24-J /!,9 '8' 0-.=' -57*6=' -2 : 06, : 0-' *07/ =' $ ' " - ! ' 54/?03J 23$-!')38& 1 7*0' 2/' 2 303' 2*' 075.' 26.0/' ,*54 : ;0*6J "/)#2!'' 0 2*+760' -410/,2/

' '

P 0 6,-'	12*,7	2 0*2-6,+ : 7'	2 : 2,250 6,-	,/2*4,0/7
0/60*-,7	7/7-12*,7	/0 : 7	2*,-,7	

'!##)'2 '711/272.' +3"''W ',*' 6.0' -6/4564/0'2 '6.0'2?7/=' 2?4 0' -003'7*3'0 : ;/=2' .46' 3, 0/' ,*' 6.0,/' ,* 2/0-50*50'7*3'6.0'*764/0'2 '6.0,/' /4,6' .0=' 7/0'5 2-0 =' 7 ,03'62' %8/2''"D-00'6.76' 7 : , =F '!$#)'2'',*.7;,6'6/21,57'7*3'60 : 10/760' -,7' : 0/,57'7*3'6.0' 03,60//7*07*' /0+,2*' 2' 4/210 .0';7/9'7*3' 07?0-' .7?0' -2 : 06, : 0-' 7' -4; 7/2 : 76,5'2324/' 7*3' 7' ;,660/' 75/,3' 67-60'J 6.0' 0-.' 2'6.0' /4,6',-' 7-6/,*+0*6' 0?0/7' -105,0-' .7?0' 2, =' -003-J -2 : 0' 12--0--' 7' 52 : 1756' ?0/=' 34/7; 0' 8223' -2 : 0' 26.0/-' 7' ,+.6' 7 : 2-6' -12*+=' 8223' 2/' 0G,; 0' 7*3' ?0/=' 60*75,24-' .0' -.226-' 2 ' '!$#&' /9&$"/!#&' 7/0' 4-03' 62' : 790' 2/9-' 2/' 8.,1 .7*3 0-J0',6-' -,+.6 =' -6=16,5' /4,6',-' 03,; 0J ,6-' -003-' =,0 3 ';=' 0G1/0--,2*' 7*' 2,' -,:,7/' 62',' 2 ' 7 : 2*3-' ' 3''#)'8$/!#&',-' 52 : : 2*',*' 6.0' .26' 17/6-' 2 ' 2/6.0' : 0/,57J ,6-' 3/410',-' 1/0-5/,;03' 7N' 7*' 7-6/,*+0*6' .0' /226' .7/9' 7*3' 07?0-' 2 ' ' 3"#'8$/!#&5' 7' O 0-6' -,76,5' -105,0-' 7/0' /0+7/303' 7-' 7' -105, 5' 7+7,*-6'01, 01-=

) ' 5' 8)!#2%'"

* ')#2!#839&' : T ' S #2/!-2#:3" ' \' &2/!'!# 2'' # ' N>2'!!')5 N>' 3(9!')E' ' '' -(## ' .'8)9!39&5' 2/ .-!3$"3.39&' 4 ' 4c8A' .'8)9!39&5 '?/!,9 #839&' ' %33F')' 3'' &.#"/!!-' 23#!')' ' &9.'"#3"' 1'= ' %'",/2'39&5' <#$%'</$'"-' 9#2'' " ' &$#.9!/$' ;;@*' *;=' 9894+' ' 08' C989;; * ' *;=' +/ ; ;:# / +7' / *+98A'D@ 49' M ' OCCO? +9# 08' +79' @CC98' * +98;*+9# C9+ 0 9=# 4@+# 0>9=# +00+79=# 0 +9;' : *;=@ *8' G 9BCI# ?+ C@ *+9' +0 / ' = 094 0@? 1'S' 8*49B9=' 08' C*; 4 9=' : ' 798E >*490@?# 0 'N' 899' ?@> 9R@*' ?9C* ?# B>8 4*+9' ;' *9?+ -*+ 0;' = ' # OCCO? +9'+0' +79' ?9C* ?# *;=' ;?98+9=' 0;' +79 8' >*?9' :#!/ '8$&' 08B# ?7 0 8+' /8$%'"&' +98B ;* # ' 49 9=# 0> 0;:' 49 ?' OCCO? +9# B*8F9=' / +7' ' @880 / ?# B @+ 40@?' 08' *C 4@ *+9' >A'+79' 40;;94+ -9' / 7 47' 95499=?' +79B# =97 ?49;49' 0;: +@= ;* 1 * ' \' ;' *' ?+80> 0 =' ?C F9' G OCI' 08' ;' : 0B98@ *9' G 9BCI# / +7' 0 / 989=' >8*4+?' G OCI' 08' H 0 / 989=' G 9BCI# 0 / 98?' >8*4+90 *+9' : ' @8490 *+9# 89=@49=' +0' 0;9' >8*4+ F9' B9B

9BC
8@ +#' 9 ; + 89' * ; =' 4@+'
A98+ 4* A' GB*: I

0C
8@ +#' 9 ; + 89' * ; =' 4@+'
-98+ 4* A' GB*: I

0C
Q' ?+8O> @?# 8 C9

; /7*24-' -017 ' 5 2-0 =' 0*?0 21,*+' 6 . 0' 2?7/=' % ' /00' 2?2,3' 2/' -4 ; + 2 ; 2-0' -4 ; H 52 : 1/0--03' 50 03J' &$-!'' 60/ : ,*7 ' ?0/=' - . 2/6' 2/' $J' &$#7 /&' T' 0 2*+760 , , 2/ :' 2/' -4 ; 4 760' 14 ; 0-50*6J 3(9!'' -2 ,67/=' 10*34 24-' /2 :' 6 . 0' 621' 2 ' 6 . 0' 50 ' 57 : 1= 2 ' 6/2124-J #2"3 . -!'' -410/,2/' $ J"+ 7*34 7/' 0 : ; /7503' ; =' 6 . 0' 755/0-50*6' 10/,7*6 .' D 21F' 2/' 7' - : 226 .' 4 ,*5 4303' ,*' 6 . 0' 10/,7*6 .' 7*3' T ?7 ?03' ; =' 1/0--4/0' D 0 : 1F' ' 10*34 24-J' $'&$/' /00' 2/' 73*760' 62' 6 . 0' 10/,57/1' J 08321 0 7/7' 0- . =' -, : 4 76,*+' 7*' 7 ; 4 : 0*J %#!9 ' : 7/903' ; =' 7' ; /28*' -126' " - ! ' 0G7 ; 4 : ,*24-' . 22903' 2/' -1,/7 =' /2, 03J 23$-!') 38&' ,*54 : ; 0*6J "/)#2!'' -410/,2/

7**7; ,-' P 4 : 4 4-

<'<) '

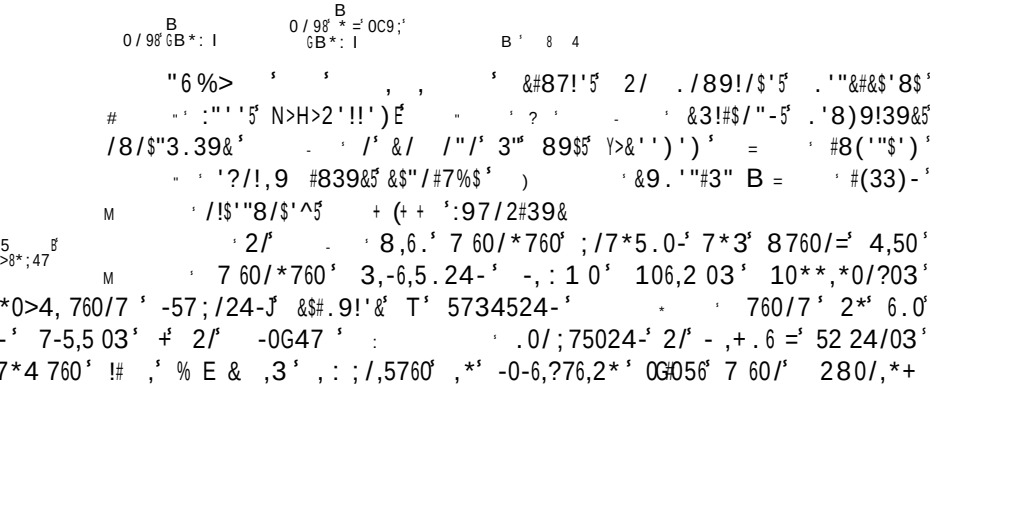
.,-' ,66 0' 7*,, =' 87-' 2/ : 0/ =' 1 7503' ,*' "$#2'2 5' 8 ,6.' 8 .,5.' ,6' 7+/00-' ,*' ,6-' 3,5 ,*24-' +/00*,-.' O2*2 . 7 : =3024-' 280/-',*, . /,56,60' 70-6,?76,2*' -67 : 0*-' 2112-,60' 62' 6.0' -017 -' 00 03' 7*3' 2?4 03' 2?7/=' 3/=' /4,6' -410/,2/' /73,5 0' 7*3' -6,14 760' 07?0-J ; 46' "$#2' ' 3, 0/' ,*' 6.0' 2*+' 52, 03' 7*3' 0 7-6,5' , 7 : 0*6-' 6.0' + 2 ; 2-0' 7*6.0/-' 0/056' 2/6.26/2124-' 2?4 0' 7*3' 6.0' : 2/0' 2/' 0--' 7 ; 4*37*6' 7 ; 4 : 0*' '!$#)'2'' 1/0-0*6' 6.0' -7 : 0' 7 ,*,6,0-' ;0-,30-' 8 .,5.' 6.0' -003' ,-' 10*34 24-' 7*3' 6.0' 2?4 0' 57 : 1= 2' 6/2124-

/88/%#8'2 ' .7?0' ;00*' 54 6,?7603' /2 :' .0' /0 : 260-6' 10/,23' 7*3' 7/0' *28' -1/073' 2?0/' 7 ' *2/6.0/*' 60 : 10/760' /0+,2*-' 0 : 1' ,-' -7,3' 62' +/28' 8, 3' 2*' 6.0' ., -' 2 ' 0*6/7' 7*3' 246.' -,7J 6.0' 21',-' 7' *76,?0' 2 ' 4/210' : 0/,57' 7*3' O 0-6' -,7

.0' 21' 7*3' 6.0' 0 : 1' 7 6.24+.' ?0/=' 3, 0/0*6',*' 71107/7*50' 7/0' -, : , 7/' *26' 2* =' ,*' 2/7' -6/45H 64/0' ; 46',*' 6.0' 60*75,6=' 2' 6.0,/' , ; /0-' 7*3' 6.0' ; ,660/' *7/526,5' 4,50' 8 .,5.' 6.0=' 52*67,*' .0' 75.0*0' 7*3' ; /756' 2' 6.0' 21' D 9 9!9&' 9.9%#&' 7/0' 52?0/03' 8 ,6.' =0 28' + 2 ; 2-0' + 7*3-' 52*67,*,*+' 7' ; ,660/' 7/2 : 76,5' 1/,*5,1 0' D!##.9!#8' 5' 8 .,5.', : 17/6-' 62' ;00/' 7' - ,+.6 =' *7/526,5' >47 ,6=' 7*3' 7*' 7+/007 ; 0' ; ,660/*0--' ' 6.0' =24*+' 8 .,60' 4*30/+/24*3' - .226-' 7/0' 03,; 0' .0' -003' 2' 6.0' 0 : 1' G /88/,#&'&/$#(/' 52*67,*-' 7' ,G03' 2, ' 8 .,5.' ,-' 4-03' 2/' : 79,*+' -2 6' -271' 7*3' 2/' ,+.6,*+' .0' -60 :' =,0 3-' 60G6, 0' 52/6,57' ,;/0-' .0' ,;/0' 2',6-' ;7/9' -017/7603' /2 :' 6.0' 8223' 2' 6.0' -60 :' ;=' 1/2 2*+03' : 750/76,2*',-' 57 03' 0 : 1' 0 : 1' =,0 3-' 7' +0 76,*24-' /0-,*' 52*67,*03',*' ,66 0' + 7*3-' 2*' 6.0' -4/ 750' 2' 6.0' -60 :' 7*3' 07?0-' 8 .,5.' 12--0--0-' ?0/=' ,*62G,576,*+' 1/210/6,0-J' ,6',-' 57 03' 5 0N P-' ,*' /7 ; ,7' 2/6.' /,57' 7*3' 6.0' 7-6J' 6.,-' 1/,*5,1 0' : 2/0' *7/526,5' 7*3' 37*+0/24-' 0?0*' 6.7*' 21,4 : ' ,-' 6.0' ; 7-,-' 2' 7' 6.,59' +/00*' 1/017/76,2*' 57 03' %/2%#&%' 2/' %/&%''&% ; =' 6.0' /7 ; -' 7*3' 0G60*-,?0 =' - : 2903' ;=' 6.0 :

_ *' *3,7' 6.0' /0-,*' 52 05603' 2*' 6.0' ;23=' 2/' 5 26.0-' ;=' /4**,*+' 7 : 2*+-6' 6.0' 0 : 1' 1 7*6-' ,*' 6.0' ,0 3-' ,-' 57 03' 2% #4/&5' 7*3' 6790*',*' 7' -2 ,3' -6760' ,6' =,0 3-' 6.0' ,*564/0' 2 ' /88/,#&' 2/' *3,7*' 0 : 1' 2 ' 6.0' .7/ : 752150,7' .0' ; /4,-03' 68,+-' 7/0' - : 2903' 7-' 798 /5' 7*3' 6.0' 07?0-' 280/-' "5 ' =,0 3' 6.0' ,* 4-,2*' 57 03' ,%/87' .0' /88/,#&' ,-' +/28*' 76' 0?0/=' 52667+0' 322/',*' 6/21,57' /,57' 7*3' - : 2903' 4*30/' 6.0' *7 : 0' 2 ')#/ , / ' 0 : 1 -003',-' , : 12/603',*' 0*2/ : 24-' >47*6,6,0-' 2/' 003,*+' ;,/3-' 0 : 1' 71107/-' 62' .7?0' ;00*' 9*28*' 62' 6.0' /009-' 7*3' *2/6.0/*' /750-' /2 :' 6, : 0' , : : 0 : 2/,7 ' ; 46' *26' 62' 6.0' 0 ; /08-' 7*3' +=16,7*- S

) ' + 5' + #", '



10/-,-60*6 ,*-0/603 76 6.0 ;2662 :2 6.0 10/,7*6. 0>47 7*3 2112-,60 62 ,6- 2;0- /7/0 = : 2/0 *4 : 0/24-J :#!/ '8$& , , 2/ : 3,-6,*56J /8$%'"& T 50 03 32/-, ,G03J 50 - -2 : 08 .76 2; ,>40 ,*6/2/-0 30.,-50*50 2*+,643,*7 % /00 2 T 52**760 57/10 - T 50 03 D ! 9& 2/ 50 03 G !/8'"/I & &$-!'& T 3,?0/+0*6 -6,+ : 76, 0/24- 7 2*+ 6.0,/ ,**0/ 750J 3(9!'& -2 ,67/= ,* 075. 50 10*34 24- *07/ 6.0 621 2 6.0 -0164 2/ /2 : 6.0 621 2 6.0 -,*+ 0 50 7*76/2124- . 7 : 0 : ;/7*24- -7 : 7/7 D ! 9& 5 3" 7 52/,75024- 50 03 7*3 -00303 ,*30.,-50*6 *46 D !/8'"/ ,*?0/603 $'&$/ : 0 : ;/7*24- "/.%' 2*+,643,*7 " - ! ;% 0G7 ;4 : ,*24- -6/7,+.6J 23$-!')38& 1 7*0 D ! 9& 2/ -4; -,*424- D !/8'"/ 5 2/ 52* 341 ,5760 D 3!3.$'!'/I " "/))2 -.2/6 -410/,2/

f : 4- P 7*0/7 2 2160 07

= : 7*= ;267*,-6- %8/2'/ 7/0 4*,603 8,6. '!$#)'/5 /2 : 8.,5.6.0= 2* = 3, 0/ ,* 6.0,/ ,* 2/0-H 50*50 0G6/2/-0 7*6.0/- 7*3 7*76/2124- 2?4 0J ;26. 7/0 ,*5 4303 ,* 6.0 5 7-- ,5, 7F 2 /2*+*,7/6 7*3 7321603 ;= 7*5.2*J 2/ ,* !8 2'2'5 6.24+.6.0 2?4 0 ,- 7*76/2124- 6.0 :,5/21= 0 750- 6.0 621 2 6.0 2?7/= 7-,* 6.0 26.0/ 7 :, ,0- 2 "$#)8'W&

%8/2'2 7/0 -1/073 2?0/ 6.0 60 : 10/760 *2/6.0/* /0+,2* - _7*3 -4; 6/21,57 *3,7S .0,/ ;7/9 52*H 67,* - 7* 7-6/,*+0*6 7*3 62*,5 ;,660/ : 45, 7+0 7*3 67**,* .0 ,**0/ ;7/9 2 6.0 52 : :2* , :D ! 9& 2/ .'&$"#& .7- ;00* 52*-,30/03 7 /0 : 03= 2/ 3/21-= 7*3 0/416,2*- .76 2 6.0 : 0/,57* : - D :9!(/ 7*3 / '"#2/8) ,- -2 /,5. ,* : 45, 7+0 6.76 124 6,50- 7*3 7 *46/,6,24- 0 = 7/0 : 730 2 , .0 : 0/,57* - /0345 0 ,6 62 7 128 30/ 7- ,*0 7- 24/ 7*3 0 : 1 2= ,6 7/+0 = ,* ,* 7 : : 762/= 3,-07-0- ! /8'"/ %'!#2'/5 7 *76,?0 2 /060 1/23450- 7* 7/2 : 76,5 8223 2/ : 0/ = 0G12/603 4*30/ 6.0 *7 : 0 2 7 0 7*37 8223 : 8223 ,- /76.0/ .7/3 /033 -. 7*3 4-03 0-105,7 = 2/ 8.00 8/,+.6#- 82/9 -.7 6- 7G 0 6/00- -5/08- 2/ 1/0--0- "5 G2-62-0- 2/ 80*- 7/0 2 60* 30?0 2103 2* : 6/4*9- 8.,5.75>4,/0 +/076 .7/3*0-- 7*3 7/0 : 45. -24+.6 ;= 57;,*06 : 790/- /2 : 6.0 3, 0/0*6 17660/*- 6.0 68,-603 7//7*+0H : 0*6 2 6.0,/ 8223 ,;/0- 0G.,;,6-

$ - -'7'8'"/5 9&&#'9 1 ! = # > #2%/") 1 & G /"$ 87

0 8 383'2#39&5 #8 2/$F#8&5 $%' S <#$% /2/!-2#:3" &2/!'>!#F . '"#/8$%5 $%' `/2%!/ -)'39&5 <#$% /22"'&2'8$ &2/!'& - @ 3" E % <#$% $<3 H>3(9!')' 2'!!&" ! .'8)9!39&5 /8/$"3.39& # 9&9/!!-<#87')5 H>2'!!')5 N>&'')') " - ! '?/!%< #839&" &9.'"#3"' -<33)- /!$'"8/$'5 &$#.9!/$' 2/ ! 4 ,"/82%'& -57660/03 %9)& -57 = 2 60* -1/,*9 03 8,6. /0-,*24- + 7*3- 7 60/*760 -, : 1 0 6226.03 6.0 1,**760 *0/?0- 60/ : ,*76,*+ ,* 6.0 6006.J &$#.9!'& /00 5734524- 0 8 : 2*205,24- -0--, 0 76 6.0 ;7-0 2 -57 = ;/756- ,* 60/ : ,*7 2/ 760/7 5769,*- B 1 @ 2/!'& ;07/,*+ T (' 280/- 075. 7552 : 17*,03 8,6.,* ;= T 2/ %' ->47 : 4 0- 2 57 =5, 2/ : /0+4 7/ % 2;03 D !89& 5 2/ /034503 62 7 -57 0 D '$9!/ - @4 ,*-0/603 76 6.0 ;7-0 2 6.0 10/,7*6. 2;0- 7*3 2112-,60 62 6.0 : D !89& J 2/ T ,*-0/603 76 6.0 ;7-0 2 6.0 -57 0 90 10/,7*6.J :#!/ '8$& ;, 4/5760 76 6.0 621 D '$9!/ J /8$%'"& ;7-, ,G03 8,6. 50 - 4G6712-03 D !89& 5 2/ -017/760 2* 6.0 ;/7*5.0- 2 6.0 , 7 : 0*6 D '$9!/ 5 30.,-H 50*50 2*+,643,*7 B 1 N -2 : 06, : 0- 10*34 24- -2 ,67/= 8,6. : 0 : ;/7*24- 2/

847#
4* 9 * ; =?R@*B ; D
M 6 0 / 98? / +7?R B B 0 ; ; O *? 6 4*+F ; # O@+98 4* 9 >9*8 ; : 6 0 / 98?
C98 * ; +7 GB*: I, *49 GB*: I_ GB*: I

847 D: (" "
* ; =? Q 4*+F ; ?

" (
4* 9 * ; =?R ; *B@ 89
>9*8 ; 0 / 98?#
; ; 98 *49

$*4R@9B0 ; +.? 847
4* 9 *B ?79= / + +?
M 8@ +? GB*: I

" (
4* 9 >9*8 ; : M
0 / 98? GB*: I

" (>"(
4* 9 @8 ; ??9= / +7
?R@*B@ ?9# * ; =>9*8 ; :
M G 0 / 98? GB*: I

" (
C9 Q 4*+F ; +8* ; ?-98?9 A GB*: I

" (
% *: 8*B O ; Q 0 / 98?

" (
% *: 8*B O ; ; 0 / 98

$*4R ; 9B0 ; +.? 847
98+ 4* ?94+ 0 ; O 8@ +
GB*: I

408 *490@? ?4* 9? 4*=@40@? / 79 ; @ :80 / ; G '$9!/I ?0B9+ B9? 9894+ ; *408AB>0?9
8*49B9# / +7 +79 ?4* 9? *+ 8?+ 9?7A# +79 ; / 00=A * ; = C98? ?+9 ; + G !89& &2/!'&
?9?? 9# 079= * ; = 0 / 989= G '$9!/ 5 08 9 ; + 89 * ; = 9*47 *440BC* ; 9= >A *+98*
?R@*B@ 9?# * ; = 0 / 989= G !89& # ?9?? 9# / +7 + / 0 0 - @ 9=
49 ?# 0 / 7 47 0 ; 9 ? 0 +9 ; 9BC+A &$#7 /& # +98B ; * # ?9?? 9# 9 0 ; : *+9# 08B
3(9!'& C9 ; =@ 0@? 80B +79 ?9C+@B * ++ 9 >9 0 / +? +0C# * ; *+80C0@? = -
08B9= >A +79 9 ; *8 : 9= ?4* 9? - / ; : 9= 08 * ; ; @ *8# H 49 9= * ; = H ?99=9=
= ; - 98+9= $'&$/ B9B>8* ; 0@?# +7 ; 95* >@B ; 0@?# ?+8* : 7+ 23$-!')38&
C * ; 9# 0 *490@? ; : 98B ; *+ 0 ; "/)#2!' ?@C98 08

P 064 7 P *4- 066/21-,-

O 0 - . 7 , *3,5760 6 . 0 7 , *, 6, 0- 2 '$9!/2'2" 8 , 6 . 9 . 9 :'"2" 7*3 + -"#2'2" 4*30/ 6 . 2 - 0 7 : , , 0 -
. 0= 711, 275 . ! /2'2" , * 6 . 0 -67 : 0 * - ; 0, * + 2112-, 60 62 6 . 0 57 =G 2 ; 0 - , * 6 . 0 T 50 03 2?7/= 7*3

2?4 03' 50 -' 6.0' 10*34 24-' 7*3' 7*76/21247' 2?4 0 ' 8,*+03' /4,6' 0G7 ;4 : ,*24-' -003' 7*3' 7 60/*760' 07?0-' 8,6.' 5734524-' -6,14 0-J .46'6.0,/' 3,0 ,*,- :' 7*3' 7 : 0*675024-',* 2/0-50*50'305,303 =' -017/760'6.0 :
'$9!/2' /' 7/0' -1/073'2?0/'6.0'60 : 10/760' 7*3' 52 3'5 , : 760-' 2 '6.0' *2/6.0/*' .067,-1.0/0' ,/5.0-' 2/ :' 8223-' 2/' ?7-6' 2/0-6-',*' 2/6.0/*' 4/210' -,7' 7*3' : 0/,57' 2 : 0' -64*603' -5/4 ;-',*.7;,6'6.0' 12 7/' /0+,2*-' 41' 62' 6.0' , : ,6-' 2 ' 10/10647' -*28' 30/-' 7/0' 3,-10/-03' 2?0/'6.0'60 : 10/760' 524*6/,0-' 2 '6.0' *2/6.0/*' .0 : ,-1.0/0' 7*3' 2?0/' -4 ; 6/21,57' : 0/,57

.0' '$9!/2'W'5 8,6.246' /,?7 ,*+' 9.9 :'"$'' ,*' 6.0,/' 4-0' 62' : 7*9,*3' 4/*,-.' ., :' 8,6.' -0?0/7' 4-0 4' -105,0-' 76'6.0' .073'2' 8 .,5.' : 4-6' ;0' 1 7503'6.0' O .,60' ,/5.' B '$9!/' /!,/ 5' 8 .,5.' +/28-' *07/ =' 6./24+.246' 4/210' ,;0/,7' -,7' ,*2/' 7*3' 2/6.' : 0/,57' ,6' 711/275.0-' *07/0/' 62' 6.0' 12 0'6.7*' 7*=' 26.0/' 4/2107*' 6/00' 7*3' +/28-',*' 7 1,*0' 3,-6/,56-'6.0' 07-6' 7?24/7 ; 0' 62' ?0+0676,2*' 6-' 8223',-' 622' -12*+=' 62' ;0' 0 : 1 2=03',*' ;4, 3,*+-' ;46' 7/68/,+.6-' 41.2 -60/0/-' 7*3' 64/*0/-' ?7 40' ,6' 2/' ,6-' 60*75,6=J 7-' ,/08223',6',-' *07/ =' 7-' 4-0 4' 7-' ;005.' 7*3',6-' 5.7/527',-',*' 30 : 7*3' 2/' 2/+0-P' 6-' 0G,; 0' ;/7*5.0-' 7/0' : 730' ,*62' ;/22 : -' 6-' ;7/9' ,-' , : 10/ : 07 ; 0' 62' 8760/' 7*3' .0*50' 4-03',*' 6.0' *2/6.' 2/' ?7/,24-' 460*-,-' -.20-' 52/3-' ;2G0-' -*4 ;2G0-' 7*3' 2/' 1/0-0/?,*+' /22 -' /2 :' : 2,-64/0' .0' ;7/9' 2 ' 7' ?7/,06=' 2 '6.0' O .,60' ,/5.' D6.0' 7*20' ,/5.' 2/' 710/' ,/5.' F,-' 4-03',*' 7*737' 2/' 6.0' 52*-6/456,2*' 2 ' ,+.6' 7*3' 12/67 ; 0' 57*20-J 6.0-0' 7/0' 2/ : 03' 2 '-.006-' 2 ' ;7/9' ;24*3' 62+06.0/' 8,6.' 6.0' /226 ,;/0-' 2 '6.0' O .,60' ,/' 7*3' - : 07/03' 8,6.' 6.0' /0-,*' 2 '6.0' 7 -7 :' ,/' C C.0' ;7/9' 2 '6.0' O .,60' ,/5.' 52*67,*-' ;0-,30-' 7*' 7-6/,*H +0*6' 1/,*5,1 0' 4-03',*' 67**,*+' 076.0/' 7' /0-,*24-' ;7 -7 :,5' 2, ' 8 .,5.' ;052 : 0-' 0 : 1=/04 : 76,5' ;=' 3,-H 6, 76,2*' 7*3',-' 4-03',*' 6.0' 1/017/76,2*' 2 ' 4--,7' 076.0/' ,*7 =' 6.0' 50 4 7/Z17/6' 2 '6.,-' ;7/9' 8.,5.' 52*67,*-' -67/5.' ,-' 7' ?7 47 ; 0' /0-24/50' 62' 6.0' 7 : 2,030-' 7*3' 6.0' 7 : 6-5.7697*-' 8.2' ./4,-0' ,6' 7*3' : ,G' ,6' 8,6.' 6.0,/' 223' .0' -71' 8.,5.',-' -4+7/=' ;0 2/0' 6.0' -1/246,*+' 2 '6.0' 07?0-',-' 52*-,30/03' 7*' 0G50 0*6' 7*6,-52/;46,5',*' 2/6.' : 0/,57' 7*3' ;26.' ?,*0+7/' 7*3' ;00/' 7/0' : 730' /2 :' ,6' 6.0/' -105,0-' 2 ' ,/5.' D ' !'8$/5' 8#7"/5' !9$'/A' "5F' 7/0'-,:, 7/ =' 1/,M03',*' 2/6.' : 0/,57' 2/' 6.0,/' 8223' 67**,*' 7*3' -4+7/=' -71' .0' 52 : : 2*' 30/' D !8 ' ::!9$#83&/' ,-' 7' *07/ =' 7> 476,5 6/00J ,6-' 8223',-' ,66 0' 4-03' 2/' ;4, 3,*+-' ;0574-0',6' 320-' *26' 8,6.-67*3 J7 60/*760' 3/=*0--C7*3' 37 : 1J' ;46',' 52*-67*6 =' -4 ; : 0/+03',6' ;052 : 0-' 7-' ,*52//416,; 0' 7-' 279' 8.0*50',6-' 4-0' 2/' 1, 0-' 30/' 8223',-' 4-03' ;=' 41.2 -60/0/-' 57 ;,*06 : 790/-' 64/*0/-' 7*3' -7 ;26 : 790/-' 7*3',-' 0-600 : 03' 2/' ,/08223' ;0574-0',6' ;4/*-' 8,6.' 7' ;/,+.6' 7*3' 7 : 2-6' - : 290 0--' 7 : 0J ,6-' 5.7/527',-' 4-47 =' 0 : 1 2=03',*' +4*12830/' : 79,*+' .0' ;7/9' 07?0-' 7*3' 52*0-' : 7=' ;0' 4-03' 2/' 67**,*+' 7*3' 3=0,*+' ; 759

) ,*' 83,<,76

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* ')#2!#839&5' #8' N>&'?9/!' 2/.#$9!/' : ' "' .!/2')' ,-' 2!/(/$'' &2/!'&' = ' 'M9/!' /8)' /!$'"8/$'' <#$%' $%'' &2/!'&' # ' N>2'!!')5' N>H>3(9!') ' 1 ' .'8)9!39&5' 3"$%3$"3.39&' - ' /' 89$' = ' '?/!,9 #839&' 3"' 83$E' #8:'"#3" ' 8 = ' <33)-' K - ' !3875' 2382'/!')' ,-' $%'' 2382/('' ,/&'' 3:' $%'' .'$#3!'5' /8)' 38!-' /..'/"#87' /:$'"' $%'':'/!!' 3:'$%'' !'/:' M ' &$#.9!/$'5' /!$'"8/$'5'./! #8'"(')

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á b 7 ?' =9?48 C+ O ;' O '+79' :' *;=' `' 0/98?' O ' !/8>' +79' 6' *89' B 59=' / +7 0@+' =9 ; +9' O8=98' / +7' ?4* 9?' $/8'W& =09?' ;O+' *4408=' / +7' +79' @?@* A' 8949 -9=' - 9/# /7 47' B *A' >9' >8*4+?#' C98 *;+7 9:B 9@+?#' O8' ?+*B ;0=9?#' Y/7 47' ?#+7*+' +79' ?+*B 9;?' ;' +79' S' *;=' +79' O-*8 9?' ;' O8' *889?+9=' O-*8 9? 1 ;]

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/8$%'"&' 9 0 ; : *+9 4 *-*+9# 49 ?' *+98* # 2388'2$#('!387'"'+7*;'+79' 49 ?# C9 +*+9# C@>9?49;+'
1 1 O ,, ' [' ?@88O@;=9=' >A' M 6 ' >8*4+?J' &'./!&' M # 4 *-*+9# / +7' 7' +8@;4*+9' +0CJ'
&2/!'&' G*889?+9=' ?+*B9;?\I' * +98;*+9' / +7' +79' ?9C* ?# B@47' ?B* 98# 0 +9;' # 889:@ *8 A'
0>0A*+9# C0 ;+9=' D ' # ?@> / 708 9=# 0CC0? +9' +0' +79' 0>9?# +0' / 7 47'
+79A' *=7989' *+' +79' >*?9# 0-0 =# H 49 9=J' &$-!'' +98B ;* #'9 0;:*+9 ;9*8# + C' 89E
4@8-9=' ?+ :B*+ 98O@?' 0;'+79' ;;98' ? =9'D' 3(8!'' ?0 +*8A# C9;=@ 0@?' 8OB' +79' +0C' 0'
+79' % ((' G8*89 A' \I# O8+7O+8OCO@?' - ' H ?99=9=# 408 *490@?# +98B ;*+9=' >A' +79'
C98? ?+9;+' ?+A 9# ?@88O@;=9=' *+' +79' >*?9' >A' ?+ '7* 8?' = ' C9;=@ 0@?' $'&$/'+7 ;#
B9B>8*;0@?' /!,9 '8' # O8' -98A' ?4*;+A' "/)#2!'' 4A ;=8 4# 9 0;:*+9=# ; 98 O8

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!/$/8'2'' 7/0 *07/ /!&/ #:!92 5 8 .,5.' 7/0' .280=0/' 3,-6,*+4,-.03 ;=6.0,/ ;7 -7 : ,5 4,50' 52*,57' ,*?2 45/760 5769,*-' T -6= 03 2?7/=8,6.' : 7* C 2?4 03 50 -' -4; 7*76/2124-2?4 0-'7*3 571-4 7/ /4,6' !/$/8'2'' 7 -2 711/275.' / / '!#)' 'D-00 17+0 % $F'7*3 .7?0 -2 : 0 7 ,*,6=8,6.' /""-/2'2'',*' ,* 2/0-H 50*50' 3,5 ,*,-: ' 2/ T 10*34 24-2?4 0-'-6= 0-' -6,+ : 76,5 6./24+.246 6.0,/ 0*+6.'7*3 -6/7,+.6 7G, 0 0 : ; /=2J ;46 /""-/2'2'' 3,, 0/ ,*' 6.0 5 07/ =606/7*3/24-2O0/ 8,6.' %' -017 -'6.0 7*76/2124-2?4 0' 7;4*37*6 7 ;4 : 0*' ;0//,03 /4,6'2112-,60 10**,*0/?03 07?0-' "5' _ .0 7 ,*,6,0-'2' !/$/8'2'' 7/0 /76.0/ 8,6.'6.0 : 0*675024-7 : , ,0-'*26 8,6.'6.0 7 : , ,0-'0*4 : 0/7603 7;2?0 S

!/$/8'2'' 7=0 *76,?0-2' 03,60//7*07*' -,7 7*3 2/6.' : 0/,57' ;46 7/0 54 6,?7603 7-2/*7 : 0*67' 6/00-',*' 60 : 10/760 /0+,2*-6./24+.246 6.0 82/ 3' .0=12--0--' 7 - ,+.6 =7-6/,*+0*6 1/210/6=_;46 7/0 5.,0 =?7 47; 0 2/'6.0,/'6, : ;0/7*3 2/*7 : 0*67' 71107/7*50' '3"#'8$/!F 7667,*-' 7 +,+7*6,5 -,M0 7/,3 , : : 0*-0 7+0S

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. 5 4 0C*8?# 9&&#'9 1 ; R > #2%/") 1 ; # R #8)!

+")#2!#839&5 &.#2/$'5 /2%!/ -)'39&5 &'&&#!'#8 $%'' /?#! 3:/'%"/2$ = =' HN - <#$%' &2/!'& /$ $%'' %/&'5 N>2'!!')A !>3(9!')5 0-@7 &'&&#!'5 ,/&#!/"5 3"$%3$"3.39&5 -/')"9.'5 &9229!'8$5 </(- = '"'2$5 '?/!,9 #839& # &$"/#7%$ 1 = <33)-' M /!$'"8/$'

- & - 08 / +7 ?4*++989=4A ;=8 4*' @;0 ;+9=>8*;479?' @;?'?4* A# ?0 +*8A' M * +98;*+9# ? BC 9# @?@* A'?988*+9=# ?0B9+ B9?'4@+'08 'C ;;*+ =# 8*89 A'9;+89 ?' 08 408 *490@?' /79;'=8A# @?+* A'?C8 ;F 9=' / +7 : 0>0?9 08 = ?40 =' 998*490@?' 0=08 980@?' C*8+ 4 9?# B =8 >' : - ;:' 0 ' *;*?+0B0? ;:' -9 ;?' &$#.9!'& ' G9549C+' ;' 3 .$38#/ ' * B0;094 0@?' 08 = 094 0@?# ;' *5 *8A' ? BC 9 08 40BC0@;=' 4*+F ;?# *;=' 08B ;:' 4 0?9 bOC9;'\] ?C F9?' 2/$F#8& 0 ' +79 B0;094 0@?' ?C94 9?' ?95@* # *;=' >9*8 ;:# +79 S' *+' +79 >*?9# *;=' Q' *+' +79 +0C 1' * S' ' : ' = HN# ?9?? 9 ;' +79 *5 ' 0 ' *' >8*4+# ;*F9=' 08 @8; ?79=' / +7 ' *+98* '>8*4+90 9?#0 +9;'*440BC*; 9='>A'?9-98* ' 0 / 98 9??'>8*4+90 9?' :#!/ '8&& 899# 40;;*+9 *+' +79 >*?9 /8$%''& 95+808?9# >*? 59=?@> = =AB0@?# =97 ?E 49;49 0;: +@= ;* 1 * b ;' 0-0 =' 08 4A ;=8 9 4*+F ;?# 9>8*4+9*+9' # ?9?? 9 ;' +79 *5 ' 0 ' +79 >8*4+# @8; ?79=' *+' +79 >*?9 / +7# *;=' B089 08 9??*=;*+9 +0

T %' -60/, 0' -57 0-' 50 03J' &$#7 /&' T C 760/7 ' , , 2/ : ' -0--, 0J' 3(9!"' -2 ,67/=' 2/6 ,2 ' 6/2124-' ; 7-7 ' -0--, 0 ' !' 52?0/03' 0,6 . 0/' 8 ,6 .' 2*+' 0-.=' 171, -0' -4554 0*6 ' 03, ; 0' G+' &/ .#) / 5' 2/' 8 ,6 .' -410/ ,5,7' 87G -05/06,*+' 232/24-' + 7*3-J '8)32/".' ; 2*=' ' 0/056J $'&$/' 6 . , * ' : 0 : ; /7*24-' " - ! '0G7 ; 4 : ,*24-' 7*6,6/2124-J 23$-!') 38& 0-.=' 1 7*2 52*?0GJ "/)#2!"' 5= ,*3/,5' -410/,2/

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=/,57' 2 : 162*,7

+ -"F'2$' 711/275.' 97! #)'2"',*' 3,5 ,*,- : ',* 2/0-50*50' 6 . 0' 50 03' 7*3' 2?4 03' 2?7/=' 6 . 0' 0/056' 2/6 . 26/2124-' 2?4 0' 3/4175024-' /4,6' 0G7 ; 4 : ,*24-' -003' 8223=' -60 : ' 7*3' 7 60/*760' 7/2 : 76,5' 07?0-' . 0=' 7/0' 3,-6,*+4,- . 03' ; =' 6 . 0,/' 70 . 7 : =3024-' 280/-' /00' 2?7/=' 87G=' /4,6' . 7 ; ,6' 7*3' -, : 1 0' 52/,7P' 5024-' *0/?03' 07?0-' -1/,*9 03' 8 ,6 .' /0-,*24-' + 7*3-' . 0=' . 7?0' 7 -2' -2 : 0' 7 *,6=' 8 ,6 .' //9/"#8'@A' D8 . ,5 .' -00F' 7*3' '$9!/2'2'5 /2 :' 8 . ,5 .' 6 . 0=' 7/0' 3,-6,*+4,- . 03' ; =' 6 . 0,/' 50 03' 2?7/=' 7*3' 0/ 56' 2/6 . 2H 6/2124-' 2?4 0' 7*3' ; =' 6 . 0,/' 1/210/6,0-' / ' . 71 : 7*' . 7-' 2,*03' 62' + -"#' '$'' 6 . 0' +0*4-')$8 '"#/5' 8 . ,5 .' 3, 0/-',*',6-' 57 : 1= 26/2124-' 2?4 0

+ -"#2'2'' ; 0 2*+' 62' ; 26 .' 82/ 3-' ; 46' 7/0' *28 . 0/0' 7 ; 4*37*6' _0G5016,*+' 6 . 76' -2 : 0' -105,0-' 7/0' 0 : ,H *0*6 =' -25,7 S' ,0=' 5 . ,0 =' ,* . 7 ; ,6' 2/6 .' : 0/,57' 246 .' /,57' 7*3' 6 . 0' : 24*67,*-' 2' -,7' 7*3' ! 7?7' + ' /-/',-' 24*3' ,*' 6 . 0' M2/0-' 7*3' 7*7/,0-' + ' /!'' ,* . 7 ; ,6-' ; 2++=' 1 750-' ,*' 6 . 0' *2/6 . 80-6' 2' 4/210' _52?0/,*+' ?7-6' 6/756-S

. 0' ; 7/9' 2' -0?0/7' + -"#2'2'' 52*67,*-' ; 0*M2,5' 75,3' 7*3' 67**,*' 4*,603' 8 ,6 .' 7' /0-,*24-' -4 ; -67*50' 8 . ,5 .' +,?0-',6' 7-6/,*+0*6' 62*,5' 1/210/6,0-' J -45 .',-' 3 . $ #/' /&.!'8##:3!#/5' 7' 305256,2*' 2' 8 . ,5 .' ,-' 4-03' ,*' 2/6 .' : 0/,57' 2/' 2 ; -6,*760' 3,7// . 207' /2 :' 6 . 0' /4,6-' 2' + ' /!'' ,-' 2 ; 67,*03' 7' ?2 76, 0' 2, ' 2 ' 7' 7,*6' -50*6' 8 . ,5 .',-' 7 : 2-6' 67-60 0-' 76' ,/-6' ; 46' ; 052 : 0-' 75/,3',*' 6 . 0' : 246 . ' . 2-0' 2 ' + ' &/ .#) /5' 2 ' 017' _7*3' . ,*7S' 52*67,*' 7*' 75,3' -4+76=' 7*3' ?0/=' 7+/007 ; 0' 67-60' 340' 62' 5 7?760' 0-.=' . 7,/-' 8 . ,5 .' 7/0' 27303' 8,6 .' / /03' , 50' . 0' 87G' 2' + ' 2'"#:'"/' 87-' 2*+' -03' 0G60*-,?0 =',*' : 0/,57' 2/' ,+ . 6,*+J' ,6-' /226' ,-' 7*' 0 : 06,5' . *3' ?,2 0*6' 14/+76,?0' . 0' 07?0-' 2' + ' /!'' 80/0' 2/ : 0/ =' 1/7,-03' 7-' 7*6,1-2/,5

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5' + #", '!

!)#2!#839&5' /'%!/ -)'39&5' $%''S'<#$%' T %'%"'/2$'3!'&5' 38/8)@"'39&E' $%''A'<#$%' HQW&2/"#39&%"'/2$'3!'&' 7 N>2'!!')E' "" TJ' H5' &' #>/8/$"3 . 39&' /' &/ /"/' '?/!,9 #839&' # &9 . '"#3" 1 <33)-5',"/82%'& 3#8$')5' !'/#'&&

$ % 2/'?0/=' : 45 ;' ; /7*0 ; 03' 8,6 ;' 6 . 0' . 7 ; ,6' 2' .%')8>/'3(M9#&'$9 'E ,"/82%'& 8 . 2/ 03' 2,*603' 9*266=' -6/,760' 2/' 4//2803' /01 7503' ; =' -6/,760' : 7*= 6226 . 03' - . 076 . -' -4//24*3,*+' 6 . 0' *230-' 2' 6 . 0' ; /7*5 . 0-' ! : 2*205,24-' 2/'3,205,24-' S' ,*' -1,90-' ',*' 571,64 7@B ! S' -07603' 8,6 . ,*' 6 . 0' 7-6' - . 076 . -' 2' 6 . 0' ; /7*5 . 0-' 075 .' 8,6 .' %' . /75602 0-' T' 760/7' 7*3' T' 7*60/2 12-60/,2/' 7 ' 52**760' ,*62' 7' 305,3424-' 571' 8 . ,5 .',-' 30675 . 03' ; =' 6 . 0' 0 2*+76,2*' 2' 6 . 0' -67 : 0*' -2 ,67/=' 50*6/7 J:#!/ '8$'76' ,/-6' - . 2/6' 6 . ,59' 76' 6 . 0' ; 7-0' 0*+6 . 0*,*+' 8 . , 0' 280/,*+J' /8$%'"' ,*54 : ; 0*6J 50 -' -4 ; 2112-,60' -017/7603' 76' 6 . 0' 621' 7*3' ; 2662 : ' 30 . ,-50*50' 2*+,64H 3,*7 ' ! [' 571,6760' 76' 6 . 0' 6,1-' 2' 6 . 0' ; /7*5 . 0-' 075 .' -0--, 0',*' 6 . 0' 7G,' 2' 7' 10/-,-60*6' ; /756' 4/*,-. 03' 8,6 .' T' ; 276 - . 7103' . /75602 0-' 76' ,/-6' 210*' 6 . 0*' 5 2-,*+' 2*' 6 . 0' =24*+' /4,6' 7*3' /0 210*,*+' 8 . 0*' /,10' ¤ $ $' 52 : 1/0--03' 0*6,54 7/' 50 03J &$-!'' 60/ : ,*7 ' ?0/=' - . 2/6J &$#7 /&' T' 0 2*+760 , , 2/ : E' 3(9!'&

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T 52 760/7 ,G03 7;2?0 6.0 ;7-0 2 6;0 50 -0:,7*76/212*- 0 7 -6/2;,4- 2 8223= ;/756- 7*3 ;/75602 0- 075.17,/ 2 ;/756- 210*,*+ ,90 7 571-4 0 ,*62 T -1/073 ,*+ ?7 ?0- 7*3 52*67,*,*+ 7 -7:7/2,3 57/=;1-,- :0:;/7J*24- 76 6.0 621 5/4-675024- 76 6.0 ;7-0 7*3 , 03 8,6.-1,/7 ?0--0 - -2 ,67/= 0/056 4*,5 0 76675.03 62 6.0 :,33 0 2 6.0 60-67 7*3 ;75903 ;= 6.0 7//0-603 2?4 0 J $'&$/' :0:;/7*24- *07/ = 6/7*-17/0*6 " - ! 0G7 ;4:,*24-J 23$-!')38&4 7/+0 2; 2*+ 52:1/0--03J "/)#2!' :,*460 -410/,2/

P 7-47/,*7

/&9/"#8'' 7/0 3,-6,*+4,-.7; 0 76 6.0 ,/-6 + 7*50 .7?,*+ -57/50 = 7*= 7 ,*,6= 0G5016 8,6.' + -"F' 5 8.,5.'3, 0/';0-,30- 6.0,/ 5.7/7560/,-6,5 .7;,6 ,* 6.0 *764/0 2 6.0,/ 3/4175024- /4,6

/ 2/*06 8.2 .7- 0G7:,*03 /0-.' 280/- 2 /&9/"#8/5 54 6,?7603 ;= .4/06 76 *6,;0- ,* 2/:- 4- 6.76 ,*' M9/)"#(/!(#/ 075.' -67:0*' ,- -4//24*303 ;= 7 (?7 ?03 10/,7*6.' DNFJ 682 ?7 ?0- 7/0 760/7 '6.0 6.,/3 750- 6.0 7G,-J ,*' ?0/= /7/0 ,*-67*50- 7 24/6.' ?7 ?0 .7- ;00*' 24*3 1/0--03 7+7,*-6 6.0 7*60/,2/ 750 2 '6.0 -67:0*' .0 12-60/,2/ ?7 ?0 ,- ,*07/ 7*3 320- *26 73.0/0 62 6.0 760/7 ?7 ?0- 6.0 7660/ 7/0 :45.' 7/+0/ 1,5760 0* 7/+03 76 6.0 621 /054/?03 ,*62 7 .223 7*3 73.0/0 ;= 6.0 ,*60/ 75,*+ 2 :7/+,*7 .22903 .7,/- .0 24/6.' ?7 ?0 8.0*' 1/0-0*6 ,- *7//28 7*3 ,*07/ .0 280/ 2 $3"9!3&/' ,- 6.0 :2-6 52:1,57603 2 7 7*3 6.0 2* = 2*0 8.,5.' 52*-67*6 = 1/0-0*603 7 % *7/= 10/,7*6. 52:12-03 2 T 760/7 '7 12-60/,2/ 7*3 7*' 7*60/,2/ -0+:0*6 .,- 7//7*+0:0*6 ,- 07-,= -00*' ,*' 6.0 =24*+ 280/-',*8.,5.' 6.0 ,7:0*6- 7/0 -6, ?0/= -.2/6 - 6.0 ,7:0*6 0*+6.0*-'6.0 ?7 ?0- 7/0 62/*' 75/2- 7 ,66 0 7;2?0 6.0,/ ;7-0- 8.,5.' 10/-,-6 7- - :7 ;/28*' 6/4*5760 -57 0- -4//24*3,*+ 6.0 ;7-0 2 6.0 ,7:0*6 6.0 4110/ 17/6 /0:7,*,*+ 1/0--03 7+7,*-6 6.0 7*6.0/' 5711,*+ ,6- 621 4*6,' 6.0 7*6.0/ ,- /073= 62 210* 8.0*' 6.,- 7660/ ;052:0- 2?7 +/076 = 0* 7/+03 7*3 3/,?0- 2 ,90 7 803+0 6.0 760/7 ?7 ?0- #7 X

- 7/7-2:06 524 3 43+0 2 6.0 [280/- 6.0 4*,5 0 ,*' M9/)"# !'F ,- *26 *2/:7 = /00'7*3 6.0 1 750*67 ?0--0 - 7/0 54/,24- = 7//7*+03J 7 -056,2*' 2 6.0 2?7/= -.28- 6.0 57?,6= 2 6.0 10/,57/1 62 ;0 3,?,303 ;= 7 50 4 7/:7--' 2 6.0 1 750*67 2*0 2 6.0 57?,6,0- 52*67,*,*+ 6.0 52 760/7 2?4 0- 6.0 26.0/ ;0,*+ 0:16= .,- 0:16= 5.7:;0/ ,- *26 755,30*67 2/ ,6 ,- -00*' ,*' ?0/= =24*+ 2?7/,0- 7*3 ,- 10/.71- ,6-0 '3,?,303 ,*' 68 2 ;= 7 4/6.0/ 1/2 2*+76,2*' 2 6.0 1 750*67

/& " ''& 7/0 5.,0 = *76,?0- 2 4-6/7 ,7 8.0/0 6.0= .7?0 ;00*' 24*3 ,*' 7 2--,' -6760 J 6.0= 7/0 7 -2 :06 8,6.',*' *3,7 6.0 *3,7*' /5.,10 7+2 7*3 737+7-57/' 8.0/0 6.0= 7/0 57 03 #!/3

/&9/88'W" 7/0 2 ',66 0 4-0 62 :7*J 6.0,/ .7/3 7*3 .07?= 8223 :7= ;0 4-03 ,*' -.,1 ;4,3,*+ 7*3 ,- :730 ,*62 87/ 5 4;- ;= 6.0 4-6/7 ,7*- _7*3 75, ,5 - 7*30/-5 .0 ;7/9 2 ' 'M9#&'$#:3!#/ ,- 7-6/,*+0*6J ,6 ,- 4-03 ,*' 12830/ ,*' 3/0--,*+ 824*3- 7*3 ,*' 7 305256,2*' 62 -621 5./2*,5 7*3 5.2 0/7,5 3,7//.207J ,6 :7= 7 -2 1/2?0 4-0 4 7- 7 52 24/,*+ :7660/ 2/ :2/37*6 .76 2 ' 9"F/$/' 4/*,-.0- 6.0 *3,7*- 8,6.' 7 *0/?0 62*,5 :03,5,*0

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2/ ! 4 2/ 387/ 5/001,*+ !';,"/82%'&'5= ,*3/,5 7 60/*760' 7 60/*760'-,:1 0 10**,*0/?03 0*6,/0 2/ 7*+4 7/ 6226.03 106,2 03J &$#.9!'&' -57 = 7*3 305,3424- 2/ 2 ,75024- 7*3 10/-,-60*6 0 8 3,205,24-,*' 60/:,*7 -0--,0 2/ 103,50 03 5769,*- 075.' 4/*,-.03 8,6.' 7 :0*7;/7*24- 0*6,/0 2/ 2;03

.0' 7 ,*,6,0-' 2 ' /!#)8'/' 7/0' 2;-54/0J 6.0=' 711/275.' /!&/ #:!92'' D-00' 6.76' 7:, =F' 7*3' /0-0:;0' 6.0' :0*675024-' 7:, ,0-',*' 6.0,/',* 2/0-50*50' 3,5,*,-:' 6.0' 7;-0150' 2 ' 10/,7*6.' D76' 07-6',*' 6.0' ['F' 6.0' 52**760' 57/10 -' 3/=' /4,6' 7*3' -6/7,+.6' 0)7;4:,*24-' 0:;/=2';46' 6.0/0' 6.0' /0-0:;7*50' 507-0-' 2:0' ;267*,-6-' .7?0' 52:17/03' 6.0:' 8,6.' / /"#&2#8'2 ' 2*' 75524*6' 2 ' 6.0' 17/,067' 1 750*676,2*' 7*3' ;07/303' -003-' ;46' 6.,-' 52:17/,-2*' 71107/-' 4**764/7

O, 28-'1/,*5,17 =' 7 056' 37:1' 7*3' -87:1=' 1 750-' 6./24+.246' 6.0' *2/6.0/*' .0:,-1.0/0' _ ' 08' -105,0-',*.7;,6' 60:10/760' 246.' :0/,57' 7*3' 246.' /,57' *2*0' 4-6/7 ,7' 2/' 6.0' 75, ,5' -7*3-' S' 21 7/-'+/28',*' 0*6/7' 7*3' 246.' 4/210' 2/6.' /,57' 7*3' 2/6.' :0/,57' .0=' .7?0' *26';00*' :06' 8,6.' 0-08.0/0

/!#)8' '12--0--' C7-6/,*+0*6' 7*3';,660/' 1/,*5,1 0-',*' 6.0,/';7/9' 8.,5.' 7/0' 4-03' 2/' 6.0' 4/0' 2',*60/H :,660*6' 0?0/-' 0-105,7 =',*' 6.0' 2/:' 2' 6.0' 756,?0' 1/,*5,1 0' &/!#)8'5' 8.,5.',-' 2;67,*03' /2:' /!#?'/!,/5 (#$'!!#8/5'/ -7)/!#8/5'(# #8/!#&5' '!#?5'.9".9"'/5 "5' 2:0' 21 7/-' DA 3.9!9&/!,/':2/)#$"' 9!/4' 7-2' 52*H 67,*' -7,5,*0';46',6',-' 7552:17*,03';=' 7*26.0/' 7 97 2,3' *7:03' .3.9!#8'' .0,/';7/9' 7-2' 52*67,*-' 7' =0 28'3=0'8.,5.',-' 2 60*' 46,,-03' .0'/0-,*24-' 7*3';7-7:,5';43-' 2 '6.0' 759' 21 7/' D '8#7")-' 7*3' -10*' D '$"'' 9!/' =,0 3' 6.0';7-0' 2' 6.0' 4*+40*6'.3.9!' 5 7' 1/017/76,2*' 4-03',*' 57-0-' 2' .70:2//.7+0J 6.0-0';43-' 7/0' 7-2' 6790*',*60/*7 =',*' 5./2*,5' 7 056,2*-' 2 '6.0' 4*+-' ',/!// #:'"/5' 2' 2/6.' :0/,57' =,0 3-' 6.0' /0-,*' $/'/ /%/2/5' 7' /0-2 ?0*6' 7*3' ?4 *0/7/=' .0' C 5769,*-' 2' /!#?4 7-.$#/2/' 7/0' ?0/=' 232/,H 0/24-' 7*3' 7' :03,5,*7' 8760/',-' 1/017/03' /2:' 6.0:',*' 6.0' 7-6' 8.,5.',-' /0+7/303' 7-' 7'-432/,,5' 7*3' 52/3,7 ' 21 7/' 8223' 7 6.24+.'-2 6',-' ?7 403' 2/',6-',+.6*0--J 6.76' 2' O, 28-' 7*3' 0-105,7 =' 2' /!#?' 2/."$ /5 7*3' 2' -,0/-' G '(#$'!!#8/5 #8)!#&5.9".9"'/4 5',-' 4*,?0/-7 =' 4-03';=';7-906:790/-' 52210/-' 7*3' +7/30*0/-' 0?0/7'-105,0-' 2' O, 28-' 7*3' 21 7/-' 52*6/,;460' 62' 6.0';074 =' 2 '24/' +7/30*-

' M' 5 - ! M' 6'8$'8/$ B 6 ,'=]8:08 BI ! ! 4' ' " 5 $ -! M' 2 # G/)982$''>5 & . G'?)9&<

2 8 ')#2!#839&5'9&9/!!-' 383>'"-$'!-')#>2*!/ -)'39&5'3:'/2%#AA-)'39&' ? 6 :"''5' U>2'!!')5' "/"'!-' 3:' H' 3'" &'('"/!' N>H>3(9!')' 2'!!&' 2? ' .'8)9!39&' " " ' 9&9/!!-' 3:' ' 2322#5' "/"'!-' /' ,'""-' 9 ' &3!#$/"-' 3'" 7' #8/$'5'.'8)9!39&' " -! ' &$"'/#7%$5' #8' $%'' /?#&' 3:'/8'/,98)/8$:!'&%-' /!,9 '8

7/+0' 2P' -:7 ' 4' 2/' ! ! 4' 2/' ! 4' 2 '?0/=' ?7/,24-' .7;,6J 4,50' :,9=' 75/,3' o 17,*0' 2/' 8760/=' ' 7 60/*760' /7/0 =' 2112-,60' 2/' 8.2/03' -2:06,:0-':45,'/034503' *0?0/' 8.2 =' 7;-0*6' 106,2 03' 2/' -0--,0'4-47 =' T -6,14 760' 76' 6.0';7-0'*07/ =' 7 87=-',:1 0'/7/0 =' (2,2 760' _2/' 1,**760SJ !# ,'0*6,/0'6226.03' 2/' 2;03'10**,'2/'17:,*0/?03'?0/=' ?7/,24-',*'-,MO'-.710'52*-,-60*50'**3'5 26.,*+' 6 R !' 7G, 7/=' D/7/0 =' 0G6/7 7G, 7/=F' 2/' 60/:,*7 ' 30,*,60' 2/',*30,*,60' ?0/=' 12 =:2/1.24-' 2 8 ':2*505,24-' 2/' 3,205,24-' S' 8,6.' 2 60*' 7' /43,:0*67/=' 1,-6,' N' 50*6/7' D,0' 60/:,*7 F' 8.0*' 6.0',* 2/0-50*50',-' 7*3/2+=*24-' 7*3' 30,*,60' 10/,1.0/,5' D,0' 280-6' 2*' 6.0' 7G,-F' 8.0*',6',-',*30,*,60' .' +7:2-017 24-' 4-47 =' (E :0/24-' 70-6,?76,2*' ?7/,24-' D?0/=' /7/0 =' $FJ' 2;0-' 0>47' 2/' 4*0>47' 0*6,/0' ,26.03' 2/' 546' ' 12 =1067 24-' 2/' ?0/=' /7/0 =' +7:21067 24-' .=12+=*24-' 2/' 0/,+ 24-' ?7/=,*+',90' 6.0' 57 =G',*' 6.0' *4:;0/' 2' 17/6-' 52 24/' 7*3' 70-6,?76,2*J .'$/!&' 7 62*760' 8,6.' 6.0' 57 =G 2;0-' 8.0*' 6.0=' 7/0',-2:0/24-',:;/,5760' 2/' 68,-603',*' 70-6,?76,0:' 1' ?7/=,*+',*' -,6476,2*' 7*3' 2/:' D2/' $F' - ' 22' '50*6/7',*' 6.0' [' 2/',*-0/603' 76' 6.0';2662:' 2/' 2*' 6.0';7-0' 2' 6.0' 57 =GJ:#!/ '8$&' /00' 2/':2*2 12 =H 730 1.24-' 0/056' 2/' D,*54/?03J /8$%''&' _4-47 =' 7;-0*6' ?7/,24-=',*-0/603' +2;2-0

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2/ 3,3= : 24- /00 2/ 52 . 0/0*6 210*,*+ 2*+,643,*7 = 2 ; ,>40 = 2/ . 2/,M2*67 = ; = T D2/ F OG6/2/-0 2/,*6/2/-0 - ,6- 2/ 2 ; 2*+ 12/0- 52** 056,?0 12 = : 2/1 . 24- ? -410/,2/ (D/7/0 = : 7*= F 50 03 8 . 2/ 03 7/24*3 7 50*6/7 52 4 : * 8 . ,5 ,- 10/-,-H 60*6 7 60/ 6 . 0 7 2 6 . 0 /4,6 8 . 0* ,6 ,- 7 571-4 0 J &$-!' ?7/,24- 4-47 = - . 2/6 8 ,6 7- : 7*= ; /7*5 . 0- 7- 6 . 0/0 7/0 50 - 2 60* 7+7,* 3,?,303 : 2/0 2/ 0-- /0 OG03 7*3 171, 2-0 7 ; 2?0 J 3(9!'& -2 ,67/= 2/ +0 : ,*760 10*34 24- /2 : 6 . 0 ,** 0/ 7*+ 0 2 6 . 0 50 - -0--, 0 4-47 = 10/54 760 ; = 7 50 4 7/ 30?0 21 : 0*6 /2 : 6 . 0 1 750*67 4-47 = 7*76/2124- 2/ 0 : , 7*76/2124- J "/ . % ' ?0*6/7 /7/0 = 32/-7 - ?7/,24- 4-47 = 7 571-4 0 210*,*+ ,* (2/ T 22 4-47 = T ?7 ?03 5255, 8 . ,5 -017/760 /2 : 7 10/H -,-60*6 7G,- _2/ 3/4175024-S = 10*34 24-J $'&$/ 5/4-675024- ?0/= 2 60* 7/, 760 2/ 57/4*54 760J /!,9 '8 0- . = : 2/0 2/ 0- 521,24- " ?7/,24- J 23$-!')38& 7/+0 2/ - : 7 J "/)#2!' -410/,2/

_ * 6 . 0 5 7--, ,576,2* 2 6 . ,- 7 : , = .7?0 2 2803 ! ,, 0/#- 07/*03 : 2*2+/71. ,* ,0 7*32 0#- f /23 2 : 4- # 75 . 3 6 . 0 ; 0 28 : 0*6,2*03 6/, ; 0- -4 ; 3,?,30- *764/7 = ,*62 -4 ; 6/, ; 0- 6 . 0 5 . 7/7560/- 2 8 . ,5 . 7/0 +,?0* 8,6 . 6 . 0 : 2-6 , : 12/67*6 +0*0/7 ,* 075 . S

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4;6/,;0 2 . ! 50 280/- 1067 24- 67:0*-,*-0/603 7/24*3 7 /43,:0*67/= 2?7/= 7*6.0/- %12/2-0 3"/8$%'"/

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4;6/,;0 2 M 5 67:0*- 50*6/7 &'9)/8$%9&5 $/2%&$' 38

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4; 6/,;0' ' 5 67 : 0*-',*-0/603' 7/24*3' 7' /43, : 0*67/=' 2?7/=' 7*3-' 2 ' ,0' 0G6/7-67 : ,*7 ' 3,-9' 7 60/*76,*+' 8,6.' 6.0' 1067 -' !# # ' S ' "

4; 6/,;0' ' $ B 67 : 0*-' ,*-0/603' /24*3' 7' /43, : 0*67/=' 2?7/=' 7*3-' 2 ' 6.0' 0G6/7-67 : ,*7 ' 3,-9' 2112-,60' 62' 6.0' 1067 -' -

4; 6/,;0' ' - M B 67 : 0*-' 50*6/7 ' 067 -' $ ' X G6/7-67 : ,*7 ' + 7*3-' 2112-,60' 6.0' -017 -' C " !" ' "5

4; 6/,;0' ' o G B' 67 : 0*-' 0G50*6/ 5 ' ,*-0/603' 7/24*3' 7' 50*6/7 ' 3,-9J' 7*6.0/-' 7 87=-' 0/056 ' 0

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4; 6/,;0' ' 4 , , B 67 : 0*-',*-0/603'7/24*3'6.0' ;7-0' 2 '7' /43, : 0*67/=' 2?7/=' *6.0/ 50 -'10*34 24-',*' ;43' '

4; 6/,;0' ' " - M5 67 : 0*-',*-0/603'7/24*3'6.0';7-0' 2 '7' /43, : 0*67/=' 2?7/=J 7*6.0/ 50 -'0/056',*' ;43'6.0*'?0/-76, 0'

4; 6/,;0' ' 4 7J' B' 67 : 0*-' 50*6/7 J 7*6.0/ ;7-0' 7 87=-' ,* 0/,2/' ## '$ ' " D4 ' "5

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4; 6/,;0') ' / K5 67 : 0*-',*-0/603'7/24*3'6.0';7-0'2 '7'/43, : 0*67/='2?7/=J 7*6.0/ ;7-0' 7 87=-',* 0/,2/' 7 =G 2;0-' 2 ' J' 8,6.' 76' D*26',*341 ,5760F' : 7/+,*-' C "' + '$ " ' !

4; 6/,;0') ' & K 5 67 : 0*-',*-0/603'7/24*3'6.0';7-0'2 '7' /43, : 0*67/='2?7/=J 7*6.0/ ;7-0' 7 87=-',* 0/,2/' 7 =G 2;0-' 2 ' ',*341 ,576,?0' $ # ((

4; 6/,;0') ' K K 5 67 : 0*-',*-0/603'7/24*3'7'50*6, 7'?757*6'-1750' *6.0/' ;7-0' 7 87=-',* 0/,2/' #

4; 6/,;0') ' - K 5 67 : 0*-',*-0/603'X7/24*3' 7' 50*6/7' 3,-9' *6.0/' ;7-0' 7 87=-',* 0/,2/' # ' # ' "5

P' P' #'(# 4 ' #"

4; 6/,;0') ' P K 5 280/-'71067 24-' 67 : 0*-',*-0/603'7/24*3'7'/43, : 0*67/=' 2?7/=' *6.0/-'0/056' * ! ' I

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?7/,7*'50 -' 2?4 03' *6.0/-',*30G03',*';43' 7 =G' 2 ' O' >4 *54*5,7',*' 70-6,?76,2*

4; 6/,;0' ' " / " K 5 280/-' '8,6.'*2'/43, : 0*67/='2?7/=' M' '-"# ' !

4; 6/,;0' ' F6K 5 0 280/-'J'8,6.'7'/43, : 0*67/='2?7/=' '

!!' ' A

?7/,7*'50 -' 2?4 03' *6.0/-'0/056',*' ;43' 280/-',*'6.0'7G,-'2'6.0' ;/Q 56-'2/',*?2 45/760J',*?2 45/0-' -0G47 ' 7 =G'2 'O'?7 ?760',*'70-6,?76,2*

P' O# 4 ' ' #"

4; 6/,;0' ' $O J B 7 =G' 2 'J' ?0/=' -.2/6',*341 ,576,?0' 67 : 0*-' 50*6/7 ' -

4; 6/,;0' ' K B 7 =G' 2 ' ',*341 ,576,?0' 67 : 0*-',*-0/603'7/24*3'7'50*6/7' 524 : *' C

4; 6/,;0' ' ' K 5 7 =G' 2 'C',//0+4 7/ =';4/-6,*+' 067 -' D76' 07-6' 2 '6.0' C/' : 2/0' *4 : 0/24-'6.7*'6.0'-017 -' 67 : 0*-'50*6/7 ' ! ' ' # " ' "5

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8*·?-9829?94+0;'0'
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-*8 *;' 49 ?' 0-@ 9=' +*B9;?' ?0B9+ B9?' ;?98+9=' *80@;=' *' 49;+ .*' = ?F' a ;+798?' 9894+' ;' 7@=' 0/98?' ;' +79' *5 ?' 0 '+79'>8*4+?# 08' ;-0 @48*+9' ;-0 @489?' H ?95@*' * A5' 0 '6'R@ ;4@;4 *' ;' ?9?+ -*+ 0;#

P' !3<'"&' 'f##8(3!92"/$'5' ,"/)&' 8'('"' 2388/$''

' !3<'"' <#$%'.'$/!&5' 3"' <#$%'$%'' 7!/8)&' 3:'$%'' '?$"/&$/ #8/!')#&%' 3..3&#$'' $%'' &'./!&

4; 6/,;0' ') , , B 067 -',*341 ,576,?0 =', : ;/,5760' 67 : 0*-',*-0/603'7/24*3'7'/43,: 0*67/='2?7/=' '88'$$#/

4; 6/,;0' ' 2 / . ! 5 67 : 0*-',*-0/603'7/24*3'7'/43,: 0*67/='2?7/=' 67 : 0*-' 0>47 ,*+'6.0'-017 -'2/', ' : 2/0'6.0'2460/'2112-,60'6.0'-017 -' 37383.%3"/5' + #2"3)'& #&

4; 6/,;0' ' $! K 5 67 : 0*-' 50*6/7 ' /7/0 =' -4//24*3,*+'6.0' /43,: 0*6' > ' 7*'2?7/=' 460/'-67 : 0*-'7 60/*76,*+'8,6.'6.0'1067 -' 2#)32"3$38 >

4; 6/,;0' ' % ! K 5 67 : 0*-',*-0/603'7/24*3'7'/43,: 0*67/='2?7/=' 7 60/*760'8,6.' 6.0'-017 -' 067 -'10/,+=*24-' !9-$#/

4; 6/,;0' ' K 5 67 : 0*-',*-0/603'7/24*3'7'50*6/7 '3,-9' _+/8#%3$

4; 6/,;0' ' F K 5 67 : 0*-',*-0/603' 7/24*3' 7' 50*6/7 ' /0501675 0' 2/' 7' /43,H : 0*67/='2?7/='0>47 ,*+'6.0'-017 -',*'*4 : ;0/'2/'6.0'2460/'7 60/*76,*+'8,6.'6.0 : ' _ /#"3.%/5' "#7383&$' 385' &$3)'&5' 3)#2'9 5' =I

4; 6/,;0' ' K ! K' 67 : 0*-',*-0/603' 7/24*3' 7' /43,: 0*67/='2?7/=' 2460/' 7 60/*76,*+'8,6.'6.0'-017 -' 067 -'-411/0--03' %2'$32/".9&

' !3<'"&' /,&3!9$'!-'/.'$/!39&' 1#&%' 7!/8)&'#:' '?$"/&$/ #8/!'A/8 # #&3 '"39&' 8'('"' 3..3&#$' $%''&'./!&

4; 6/,;0' ' ! K (67 : 0*-',*-0/603' 7/24*3' 7' /43,: 0*67/=' 2?7/=' 2460/' 7 60/*76,*+'8,6.'6.0'-017 -' %'#!3&/5' 989"#/

4; 6/,;0') ' K' 67,.04-',*-0/603' 7/24*3'7'/43,: 0*67/='2?7/='2112-,60' 6.0'-017 -' ,-9'-411/0--03' +#&3%3)38

4; 6/,;0') ' % K 5 67 : 0*-' 50*6/7 ' 2/' -4//24*3,*+' 7' /43,: 0*67/='2?7/=' 7-' : 7*='7-'6.0'-017 -' 2/'6.0'2460/'-0/,0-'2112-,60'6.0'-017 -' /!#3&.'" 9 5' '!38#9 5' >' .%/!#/5' "5

4; 6/,;0') ')'833!#8'2' B' 280/'*26' 52 : 1/0--03' 67 : 0*-',*-0/603' 7/24*3' 7' 52*,57'+7*34 7/'/0501675 0')'83' 8'5' "5

4; 6/,;0') ' - K'B' 280/' 52 : 1/0--03' 67 : 0*-',*-0/603' 7/24*3' 7' 0*6/7'7/07' $3 /$32/!-?

4; 6/,;0') ' -! K'B' 2080/' 52 : 1/0--03' 67 : 0*-' 50*6/7 ' /"$ /88#/5' /"9 %#(

4; 6/,;0') ' " - "K 5 0 280/' *26' 52 : 1/0--03' 67 : 0*-' 50*6/7 ' 0>47 ,*+' 6.0'-017 -',*'*4 : ;0/'2/'6.0'2460/'7 60/*76,*+'8,6.'6.0'-017 -' + /,'/5' _ $#!!#87#/5' ',/&$#/ #/5' #..3 /8'5' ?22'2/"#/5' 3!!#79/-/5' =2

NQN ' ! 6

, , ' # $ ' ' ' % ' ' '

4 : ,- ,03' 8 ,6 .' -1,40-' /0-0 : ; ,*+' 6 . 76' 2 '7' 7564-E' 6 . 0-0' -105,0-' D,] ' /8$#M93"9 5' 2/8/"#' 8&#&5 3::#)8/"9 5' / , -/&#8#2) ' =,0 3' ; =' ,*5,-,2*' 7' /0-,*24-' 4,50' 8 . ,5 . ' ,-' -6/2*+ =' 3/7-6,5 ' 7*3' 4-03' 0G60/*7 =' 7-' 7' ?0-,57*6 ' _ . 0' 6/40' 41 . 2/ ; ,4 : ' ,-' 6 . 0' ' "')8#:'"/' 2 ' 2/2552 5' . 0' 26 . 0/' 41 . 2/ ; ,7-' 8 . ,5 . ' . 7?0' 7' *2/ : 7 ' -60 : ' 7*3' 07?0-' . 7?0' 7' 14/+76,?0' : , 9=' 4,50J -45 . ' 7/0' ' &9!/5 . . /"#&&#/&5 / -7) /!3#)'&5 '!#3&23 . #/5 ' . !9&5 . /!9 + "#&5 /$%-"#&5 " 5 ' 7 ' ,*3,+0*24-' 62' /7*50' 2 : 0' 7/0' 52*-,30/03' 0 ,575,24-', *' -=1 . , ,6,5' 575 . 0G,7 ' 7-' ' . /"(#:!3"/' 7*3' %#"$/5 2 ' *3,7 ' 7*3' !#8' /"#&5 2 ' : 0/,57 ' *+ , -.' 32562/-' ; 0 2/0' 6 . 0' ,*6/2H 3456,2*' 2 ' : 0/54/=' 1/0-5/, ; 03' '%#, '"8/' ,*' -, : , 7/' 57-0-J 7*3' ,*' 17,*' ' '/8'&2'8&' ,-' -6, ' 73 : , *, -60/03' 8 ,6 . ' 6 . 0' -7 : 0' 2 ; 056' 6 . 0/-' 7/0' 0 : 06,5 ' 7*3' ,*' 2/6 . ' : 0/,57' ' 23"3!!/$/' 7*3' . '2/29/8%/' 7/0' 6 . 4-' 4-03' ' $%- #:3!#/5 - ,+ . 6 =' 7-6/,*+0*6' 7*3' 7/2 : 76,5 ' ,-' +,?0*' ,*' *3,7' 7-' 7' ?0/ : , 4+0' 62' ,* 7*6-' ' %-. '"#)#:3 /5 2 '6/21,57 ' : 0/,57 ' 6 . 0' 4,50' 2 ' 8 . ,5 . ' ,-' ; 26 . ' 7-6/,*+0*6' 7*3' - ,+ . 6 =' *7/526,5 ' 4/*, -. 0-' 7' 4-0 4 ' : 03,5,*0' ,*' 3=-0*60/=' . 0' : , 9=' 4,50' 2 ' ' ,2)&/ #:' %5 8 . ,5 . ' +/28-' ,*' 6 . 0' 7*7/,0-' ,-' -2' ,66 0' 75/,3 ' 6 . 76' 6 . 0' *76,?0-' 5229' ,6 ' 7*3' 52*?0/6',6 ' 6 . 0=' -7=' ,*62' *24/, -. ,*+' 0 =J 6 . 76' 2 ' ' 23$ #:3!#/:' 2*' 6 . 0' 52*6/7/=' ,-' -2' 12,-2*24-' 6 . 76' 6 . 0' 7/, ; ; 07*-' 12,-2*' 6 . 0,/' *// 80'8,6 . ',6' ,*7 =' 7' 9 . %3", #/' /2 :' 6 . 0' 2/0-6-' 2 ' /7M, ' G ' . %3&. %3"') ' ,-' 30-5/, ; 03' ; =' 2*' 7/6,*-' /2*6' 6 . 0' -60 : ' 2 ' 8 . ,5 . ' 3,-6, -' 7' 1 . 2-H 1 . 2/0-50*6' 4,50

6' ,-' 0-105,7 =' ,*' 6 . 0' 7/ ; 2/0-50*6' 9 . %3", #/2' ' '' 6 . 76' 6 . 0' 4,50' ,-' 7 ; 4*37*6' 7*3' 574-6,5 ' . 0' ,*3,*+ ' 6/00' D . 2/2/"#/' 7/!!32! ' 2 ' 6 . 0' 2 4557-' 52*67,*-' -2' 75/,3' 7' 4,50' 6 . 76' , ' 7' 3/21' 7 -', *62' 6 . 0' 0=0' ,6' ,-' *07/=' ; ,*303@ 6 . ,-' . 7-' . 7110*03' 62' -7, 2/-' -0*6' 2*' -. 2/0' 62' 546' O223' . 0' - : 290' 0?0*' 2 ' 6 . ,-' 8223' 8 . 0*' ; 4/*03' ,-' 37*+0/24-' . 0' 7*0 . ,*00' D #. . 3 /8'& + /82#"#' !!) ' ,-' 7' ,*0' 6/00' 2 ' 6/21,57 ' : 0/,57 ' 8 . ,5 . ' 7552/3,*+' 62' -2 : 0' 6/7?0 0/-' 12--0--0-' -45 . ' 12,-2*24-' 1/210/6,0-' 6 . 76' /7,*' 7 ,*+' 2*' 6 . 0' -9,*' 7 60/' 28,*+' 2?0/',6-' 07?0-' 1/23450-' 7' ; ,-60/' 7*3' 6 . 76' 62' - 001' ; 0*076 . ' ,6-' - . 730' ,-' 3076 . ' 46' ! ' !75>4,*' 8 . 2' /0-,303' 2*+' ,*' 6 . 0' *6, 0-' 6/076-' 6 . ,-' 6/73,6,2*' 7-' 7' 7 ; 0' ' . 0' -6223' 4*30/' 7' 7*0 . ,*00' 6/00' *7903' 2/' -2 : 0' . 24/-' 8 . , -6' 6 . 0' /7,*' 0 ' 6 . /24+ . ',6' 412*' . , : ' 7*3' =06' . 0' /0 : 7,*03' 4* . 4/6' 6' ,-' . 280?0/' 6/40' 6 . 76' 7' 3/21' 2 ' ,6-' : , 9' 8 , ' /7,-0' 7' ; ,-60/' 4 ' 2 ' -0/24-' : 7660/' 2*' 6 . 0' -9,*' . 0' 0-. =' /4,6' 2 ' 6 . 0' -. 710' 52 24/' 7*3' - : 0 ' 2 ' 7*' 711 0' ,-' 7' ?0/=' 756,?0' 12,-2*' ; 46' -2' 574-6,5' 6 . 76' ,6' 824 3' ; 0' , : 12--, ; 0' 62' 076' ,6 *26 . 0/' -105,0-' 2 ' 6/21,57 ' : 0/,57' G 9"/' 2"' . #$/8& ' 52*67,*-' 7*' 0G6/0 : 0 =' 30 060/,24-' 1/,*5,1 0' 6 . 4-' 30-5/, ; 03' ; =' 24--,*+74 6' ,*' . ,-' U 24/-' 3# +/,54 64/0' O . 0*' ' ,?0/2' 7*3' ' 7*7 =M03 -2 : 0' : , 9' 2 ' 6 . 0' 9"/5 -0*6' 62' 4-' /2 : ' k47347-' ; =' /' 24 , *' OO' 80/0' 76675903' 8 ,6 . ' 0/=-,10 7-' . 0' 524/,0/' 8 . 2' ; /24+ . 6' ,6' 87-' -0/,24- =' ,* 4/03' 7*3' 6 . 0' , * . 7 ; ,67*6-' 2 ' 6 . 0' . 24-0-' 8 . 0/0' . 0' . 73' 23+03' 2*' 6 . 0' /273' 0G10/,0*503' 6 . 0' -7 : 0' 0 ,056- # . ,-' : , 9' 10/ 056 =' /0-0 : ; 03' 6 . 76' 2 ' 6 . 0' 28 6/00' D-00' "$3A' 2/". '2' ' . 0' /4,6' 2 ' 9"/' 2"' . #$/8& _57 03' 7*3 ; 2G' ,-' 7' 8223=' 571-4 0' 52 : 12-03' 2 ' T &' 5255, ' 8 . ,5 . ' ,*' 3/=,*+' ; /079' 210*' -4330* =' 328*' 6 . 0' ; 759' ,*62' 6O2' ?7 ?0-' 76' 6 . 0' -7 : 0' 6, : 0' -017/76,*+' 0 7-H 6,57 =' /2 : ' 6 . 0' 7G,-' 8 ,6 . ' 7' *2,-0' ,90' 7' 1,-62 - . 26' . ,-' 571-4 0' ; 2, 03' ,*' 2, '62' 1/0?0*6' 30 . ,-50*50' 7*3' 6 . 0*' 0 : 16,03' ,-' 4-03' 7-' 7' -7*3 ; 2G' ,*' 6 . 0' 52 2*,0-

#. %38#/') /&$(&/' ,-' 7' 6/00' 2 ' 4,7*7' 7*3' /7M, ' &$' 62' <$' 006' ,*' . 0,+ . 6' 8 . 2-0' : , 9=' 4,50' ,-' 2 ; 67,*03' ; =' ,*5,-,2*-' ,*' 6 . 0' 6/4*9' 7-' 7' 60*75,24-' 7*3' ?0/=' 0 7-6,5' : 7--' 9*28*' 7-' *3,7 /4 ; ; 0/' 6 . ,-' ,-' 7' . =3/257/ ; 2*' -2 60*,*+' ,*' ; 2, ,*+' 8760/' ,*-2 4 ; 0C,*' 7 52 . 2 ' ; 46' -2 4 ; 0' ,*' 06 . 0/' -4 1 . 4/06' 2 ' 57/ ; 2*' 7*3' ?2 76, 0' 2, -' .7*9-' 62' 6 . ,-' -2 4 ; , ,6=' *3,7 /4 ; ; 0/' . 7-' ; 052 : 0' 7' +/076' 7/6,5 0' 2 ' 52 : : 0/50' ,*' 6 . 0' 7 ; /,576,2*' 2 ' 0 7-6,5' 6,--40-' 5 26 . ,*+' 8760/1/22 ' -. 20-' 7*3' ?7/,24-' 460*-, -' . ,-' : , 9=' 4,50' ,-' 24*3' ,*' 26 . 0/' 7 : , ,0-J -0?0/7 ' ,+-' 2 ' -,7' 7*3' : 0/,57 ' 7*3' 0-105,7 =' #29&' '!/&$#2/5 2 ' *3,7 ' 12--0--' , 6J 7 -2' /&$#!!3/' '!/&$#2/5 2 ' 4 : 76/7J 6/%' /' 79 #:'"/5 2 ' 737+7-57/' ' 7*3' /833&"##/' &. ' '#3&/5 2 ' /7M, ' ' ; 46' *2*0' 2 ' 6 . 0-0' =,0 3' -2' 521,24-' 7' -411 =' 7-' 6 . 0' #. %38#/

: 2*+-6' 6 . 0' : 7*=' /. %3", #/2' ' 1/0-5/, ; 03' 2/' -=1 . , ,-' 7 : 2*+-6' 2/0,+*' *76,2*-' 8 0' : 7=' : 0*6,2*' $#!!#87#/' -!(/$#2/5 2 ' 7/2 ,*7' 7*3' 2/,37J /$"3 . %/' 3::#2#8/!#&5 "3$38' . '")#2' . &' 7*3' 2/ . '&$"#&5 2 ' /7M, ' "/7#/' 7*3' 2/!-. %/5 : 0/,57*' 7*3' -,76,5' 1 7*6-' 7/0' 1/7,-03' 7-' /0-2 ?0*6-' 3,71 . 2/06,5-' 7*3' 3,4/06,5-' + '"29"#/!#&5 2 ' 8 . ,5 . ' 682' -105,0-' G + ' /889/' 7*3' . '"' 88#& ' 7/0' * 76,?0-' 2 ' /7*50' ,-' 7' : 230/760' 14/+0 . %)!' /' $"#/8)"/5 7' 6/00' 2 ' 4,7*7 ' =,0 3-' 7' 4,50 ' 8 . ,60' 76' ,/-6' 8 . ,5 . ' ; 7590*-', *' 6 . 0' 7,/ ' 7*3' ,-' 4-03' 7-' , *9 ' 2 : 0' /262*-' 2 ' : 0/,57' 7*3' /,57' =,0 3' ; =' ,*5,-,2*' 7' ; 7 -7 : ,5' -50*603' /0-,* ' . 0' ; 7/9' _57 03' 7-57/, 7' ; 7/9$ 2 ' "3$38' !'9$'"#/5 7' -. /4 ;' 2 ' 6 . 0' *6, 0-' 52*67,*-' 7' ?2 76, 0' 2, ' 7*3' 7' ; ,660/' /0-,*24-' 1/,*5,1 0' 62' 8 . ,5 . ' ,6' 280-' ,6-' -6, : 4 76,*+' 62*,5' 7*3' - ,+ . 6 =' 7-6/,*+0*6' >47 . 6,0-' 6 . 0/' 52*H +0*0/-' 2 ' 6/21,57 ' : 0/,57' D ' 8#$ &5 #2/8&5 , '"3 &5 &'9)3>2%#82#' . 7?0' -, : , 7/' 1/210/6,0-' 7*3' 6 . 0' -003-' 2 ' -0?0/7 ' 2 ' 6 . 0 : ' 52*67,*' 7' -6/2*+ - : 0 , *+' 0--0*6,7 ' 2, ' 4-03' ,*' 52 2*,7 ' 10/ 4 : 0/=J -45 . ' ,-' 6 . 76' 2 ' ' 7"/$#&) 9 5' 8 . ,5 . ' /057 -' 6 . 0' -50*6' 2 ' ,*6' ' #7!#9 ' ,-' 7' - : 7 ' 6/00' 2 ' 6 . 0' 2 4557-' 7 ' 17/6-' 2 ' 8 . ,5 . ' 7/0' 14/+76,?0' 6-' -003-' 52*67,*' 7' ,G03' 2, ' _ /262* 2, S ' 52 : ; ,*03' 8 ,6 . ' 7' /0-,*' 7*3' 7' 1054 ,7/

75,3' 6 . 0' 756,2*' 2 ' 8 . , ;' ,-' -2' 1280/ 4 ' 6 . 76' 2*0' 2/' 682' 3/21-' 6790*' ,*60/*7 =' 14/+0' ?,2 0*6 =' 7-' 320-' /4 ; ; ,*+' ,6' 2*' 6 . 0' -62 : 75 . ' 7*3' 8 . ,5 . ' 4/6 . 0/' 1/23450-' 7*' 0/416,2*' 2*' 6 . 0' -9,*' 8 . ,5 . ' : 7=' ;0' 4-0 4 ' 62' 6 . 0' 176,0*6 ' .0' -003-' 2 ' /$"3 . %/' 9"2/&' _ . =-,5 *46S ' 7' - . /4 ;' +/18 ,*+' 6 . /24+ . 246' 6 . 0' . 26' 524*6/,0 -' 2 ' : 0/,57 ' =,0 3' 7' 1 0*6, 4 ' -411 =' 2 ' 7*' 2, ' 2 ' 8 . ,5 . ' -271' ,-' : 730 ' 46' 6 . 0' : 2-6' 50 0 ; /7603' 2 ' 6 . 0' 2 0, 0/24-' 9 . %3"%#/2'2 ' ,-' 50/67,* =' 6 . 0' 7 : 7' . /,-6, ' 2/' 7-62/ 2, ' 1 7*6 ' #2#8 ' 23 98#&5 6 . 0' -003-' 2 ' 8 . ,5 . ' =,0 3' ; =' 0G1/0--,2*' 4*30/' 52 3' 7' ,G03' 2, ' 57 03' 7-62/ 2, ' -2 4 ; 0' ,*' 7 52 . 2 ' D8 . ,5 . ' 3,-6,*H +4,- . 0-' ,6' /2 : ' 7 ' 26 . 0/' 2, -F ' 7*3' : 45 . ' 4-03' 7-' 7' 14/+76,?0' _7*3' 8 . 0*' /0- . ' 7-' 7' . 7 ,/ 2, ' ,*' *3,7 ' ' ?,/4 0*6' 1/,*5,1 0' /0-,30-' ,*' 6 . 0' -003 5276-' 7*3' 0 : ; /=2 ' 8 . ,5 . ' 7/0' *26' 5/4- . 03' ,*' 6 . 0' 1/250--' 2 ' 0G6/756,*+' 6 . 0' 2, S ' . 0' -003-' 2 ' 6 . 0' 14/+0' G 9 . %3",#/' /$%-"#& 5' 7*' ,*3,+0*24-' . 0/ ; ' /,?7 ' 6 . 2-0' 2 ' 6 . 0' 7-62/ ' 2, ' 7*3' "3$38' #7!#9 ' 6-' 571-4 0-' 7*3' 6 . 2-0' 2 ' ,6-' 52*+0*0/-' 7/0' 4-03' 62' -6410 =' ,-. ' . 2-0' 2 ' 6%-!!/8#%9&5' 7' 6/21,57 ' 1 7*6 ' 7/0' -, : , 7/ =' 0 : 1 2=03 ' . 0' 12830/03' -003-' 2 ' -2 ' 8/8 ' %'' 7!3%3&/5' 7' 246 . ' /,57*' 6/00 ' 7/0' ;=' 6 . 0' 710' 52 2*,-6-' -1/,*9 03' 2?0/' : 4662*' 62' 12,-2*' . =0*7- ' . 0' -003-' 2 ' $#!!#8-#/' &',#:'"/5' 57 03' . ,*0-0' O 7G 6/00 ' ;0-,30-' 52*67,*,*+' 7' ,G03' 2, ' 7/0' 52?0/03' 8,6 . ' 7' ?0/=' 8 . ,60' 87G ' 4-03' ,*' . ,*7' 2/' : 79,*+' 57*3 0-' . 0' ?0/=' 12,-2*24-' -003-' 2 ' 6 . 0' !717*0-0' , 6/00 ' G !/32322/' ('"#49'3&) ' =,0 3' ; =' 0G1/0--,2*' 7*' 2, ' 4-03' 2/' ,+ . 6,*+

. 0' /4,6-' 2/' -003-' 2 ' -2 : 0' 9 . %3"%#/2'2 ' : 7=' ;0' 0760*' 8,6 . ' , : 14*,6=' . 0' 7 : 2*3' 2 ' !'9"#$'&' $"#!3 , /5' 7' - : 7 ' 6/00' 2 ' 6 . 0' 2 4557-' ,-' ?0/=' 80 ' 67-603 ' 7*3' ,-' 52*-,30/03' 7*' 0G5,67*6 ' . 0' -003-' 2 ' #2'('#, /' 79#/8'8&#&5 6 . 0' 4,50' 2 ' 8 . ,5 . ' ,-' +/00*' . 7?0' 7' 30 ,5,24-' 67-60 ' . 0' 90/*0 ' 2 ' 6 . 0' : 0/,57*' : 1 . 7 07-' ,-' 03, ; 0' 8 . 0*' 6 . 0' 0 : ; /=2' . 7-' ; 00*' /0 : 2?03 ' . 0' 75,34 24- -4+7/=' ; 0//,0-' 2 ' #2' /')#&$#2!#/' 7/0' 0760*' ,*' *3,7 ' ,!#2/' 3::#2#8/!#&5 8 . ,5 . ' 7 -2' +/28-' ,*' 6/21,57 ' -,7 ' 1/23450-' 7' 0- . =' /4,6' 2 ' 7' 67-60' 76' ,/-6 . 7/- . ' 7*3' 7 60/87/3-' -8006 ' . ,-' /4,6 ' 3/,03 ' 87-' 4-03' 7-' 7*' 7-6/,*+0*6' 7+7,*-6' 3=-0*60/ C ' 7*3' 7-' 7' 67**,*+' : 760/,7 ' ; =' 6 . 0' *76,?0-' 46' 2 ' 7 ' 03,; 0' 9 . %3"%#/2'2 5' 6 . 0' : 2-6' ?7 47 ; 0' D28,*+' 62' 6 . 0' 7 ; 4*37*50' 2 ' -67/5 . ' ,*' 6 . 0,/' /226-F' 7/0' 682' 9,*3-' 2 ' 7*,25' G + /8#%3$' 54 6,?7603' 6 . /24+ . 246' 6/21,57 ' /,57' 7*3' : 0/,57 ' C /*6 2 ' 6 . 0' -8006' 7*,25' G + /8#%3$' #. , ' ,-' 0760*' 522903' ,*' 7-. 0-' 2/' ,*' 8760/' ,90' 6 . 0' 26762 ' 7*3' 7*, : 7 -' 076' ,6' /78' 8,6 . 246' ,* 4/e C ' . ,-' ,-' *26' 6 . 0' 57-0' 8,6 . ' 6 . 0' ,660/' 7*,25' G + ' 9$#!#&&# / 5' 6 . 0' /226' 2 ' O . ,5 . ' 52*67,*-' 7' 4,50' 730*' 8,6 . ' 7' -6/2*+ =' 12,-2*24-' 1/,*5,1 0' 7*7 2+24-' 62' . =3/25=7*,5' 75,3' J ;46' 6 . 0' ?2 76, ,6=' 2 ' 6 . ,-' 1/,*5,1 0' 7*3' 6 . 0' 75, ,6=' 8,6 . ' 8 . ,5 . ' ,6' ,-' 30-6/2=03' ; =' 0/ : 0*676,2*' 0G1 7,*' 6 . 0' 75, ,6=' 8,6 . ' 8 . ,5 . ' 7*' 7 ; 4*37*6' 7*3' 8 . 2 0-2 : 0' 223' ,-' 2 ; 67,*03' /2 : ' 6 . 0' /226' . 0-0' /226-' 7/0' +/7603' 1/0--03' 3/,03 ' -, 603 ' 7*3' 6 . 0*' - ,+ . 6 =' ; 7903' 2*' 7*' ,/2*' 1 760' J 6 . 4-' 1/017/03 ' ,6' -80 -' 52*-,30/7 ; =' ,*' 8760/' 2/' ; /26 . J 6 . ,-' 223' ,-' 57 03' 239/M9' ' ' ,*-6073' 2 ' 3/=,*+' 6 . 0' +/7603' 14 1 ' ,6' ,-' -1/073' 412*' 7' . 26' ,/2*' 1 760' 6 . 0' -67/5 . ' 7*3' : 45, 7+0' ; =' : ,G,*+' 62+06 . 0/ ' 52*-2 ,3760' 6 . 0' 14 1 ' 7*3' 2/ : ' 7' ; ,-54,6' 57 03' 7--7?7 ; /073 ' . 0' ,1,17' ,-' 6 . 0' 14/0' -67/5 . ' 2 ' 6 . 0' 7*,25' 8 . ,5 . ' . 7-' ;00*' /0 : 2?03' 7 2*+' 8,6 . ' 6 . 0' 0G1/0--03' 4,50' 2 ' 6 . 0' /226' 7*3' 8 . ,5 . ' . 7-' ;00*' 87-. 03' 7*3' 3/,03' ,*' 6 . 0' 7,/' . ,-' -7 : 0' -67/5 . ' . 07603' 2*' ,/2*' 1 760-' ,-' 17/6,7 =' 522903' 7*3' 5 4-60/-' ,*62' . 7/3' 7*3' ,//0+4 7/' 4 : 1-' 57 03' 71,257 ' 71,257' ,-' 17/6,7 =' -2 4 ; 0' ,*' 52 3' 8760/' 7*3' 2/ : -' 8,6 . ' ; 2, ,*+' 8760/' 7' -2/6' 2 ' 6/7*-H 17/0*6' 0 =' /05_40*6 =' 4-03' ,*' -241

. 0' 4/*-2 0' G "3J3 . %3"/' $#82$3"#2# 5' 8 . ,5 . ' +/28-' C,*' 6 . 0' 03,60//7*07*' /0+,2*' 12--0--0-' ,90' : 2-6' 7*' 75/,3' 4,50' 7*3' 14/+76,?0' -003-' ; 46' ,6-' 52 24/,*+' 1/,*5,1 0' ,-' ,6-' : 2-6' 4-0 4 ' 1/210/6=' O 22 0*' /7+-' 7/0' 3,1103' ,*62' 6 . 0' 4,50' 0G1/0--03' /2 : ' 6 . 0' 621-' 2 ' 6 . 0' 1 7*6 ' 7*3' 7/0' 7 60/87/3-' 0G12-03' 62' 6 . 0' 7 : : 2*,757 ' ?7124/' 2 ' 4/,*0J 6 . 0' /7+-' 6 . 4-' 75, 4,/0' 7' 37/9' ; 40' 52 24/ ' 7*3' 7/0' 57 03' 7+-' 2 ' ,/7-2 ' . ,-' : 7660/' ,-' 4-03' 2/' 6 . 0' 52 24/,*+' 2 ' 465 . ' 5 . 00-0-' 8 . ,5 . ' 7/0' 3,1103' ,*62' 8760/' 3=03' ; 40' ;=' 6 . 0' ,/7-2 ' 7*3' , : : 03,760 =' 3/,03 ' . 0' /03' 6,*+0' 2 ' 6 . 0' 5 . 00-0 /,*3' ,-' 1/2 ; 7 ; =' 340' 62' 6 . 0' 756,2*' 2 ' 6 . 0' 756,5' 75,3' 52*67,*03' ,*' 6 . 0' 5 . 00-0 ' + '"#/"#/!#&' 7 -2' 52*67,*-' 7' ; 40' 52 24/,*+' 1/,*5,1 0' 7*7 2+24-' 62' 6 . 76' 2 ' 6 . 0' ,/7-2 ' 0/67,*' *3,7*' 9 . %3"%#/2'2 5' ,90' #&2%3 : :#/5' 7/0' 4-03' 2/' 3=0,*+' /03 ' _ /,57*' 079' G #'!)#/' /:"#2/8/ 5' 7' ,66 0 9*28*' 1 7*6 ' . 7-' ;00*' /0 0//03' 62' 9 . %3",#/2'2'5' ; 46' 324 ; 6 4 = S

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G @ (+ ' 7'8'"/5' 9&&#'9 8 K - $ &' "/87' !'' 8 K - $ 4 &' /#!!38 ' 4

' 08' ' 08' C989 ; ; * ' %' M ' 0CC0? +9' 08' * +98 ; *+9#' ? B C 9#' 9 ; + 89' 08' 0>9=#' 408 *490@?#' C98? ?+9 ; +#' 95?+ C@ *+9 '6 * ' B 0 ; 094 0@?#' *5 *8A' 08

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60/:,*7 ',*'7'-1,90'2/'/750:0'2*0' N 60/:,*7 'D 408-F'2/'-2:0' ' 280-6'D 7/5252557' /2%-&/8)"/ 5 690' 26.0/-'G % * '[' "$' 3001 ='% 17/6,60' 2;0-' 3054--760' T' 760/7'2460/'0*?0 21,*+'6.0' T' 7*60/2 12-60/,2/',:;/,5760',*'-0-6,?76,2*' = ' %'2112-,60' 62'6.0' 57 =G 2;0-J:#!/ '8$&' .=12+=*24-'0/056'0G-0/603'8.0*' :764/0J /8$%'"&' T 50 03',*6/2/-0'30.,-50*50' 2*+,643,*7 ' # ' /43,:0*67/='50*6/7 B' * ' '0' "$' 3001 ='% T 17/6,60'' 2;0-'-0?0/7 -0/,760'4-47 ='8.2/03',*' 6./00-',:;/,5760',*' -0-6,?76,2*' # "'-410/,2/'T (50 03'' &$-!'&' T ('0G50*6/,5' 3,?0/+0*6'-6,+:76,5'2*' 6.0,/',**0/' 750'5.7**0 03J' 3(9!'&'+0:,*760',*' 6.0' 50 -' -4-10*303' /2:'6.0'621'2 '6.0',**0/'/87!'5'7*76/2124-'"/.%''32/-7 ' #2"3.-!''-410/,2/' 7*3'?0*6/7 ' - 'T (50 03'2/' 50 03';='7//0-6'571-4 7'2/' 0-.='G /"232322/ 5 254 ,5,37 ' 2/',*30.,-50*6'5/28*03';='6.0' 10/-,-60*6' -6= 0-J 50 -' T -00303' = '10*34 24-J $'&$/'5/4-675024-';759';/, ,7*6'57/4*54 760' " ' 54/?03',*'7' 0-.='7;4:0*J "/)#2!''-410/,2/

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P' 4G4-' P' 7/5252557' P' 75.=-7*3/7' 6= 250/7-' ,:: 2*3-,7

9?#8'2''.7?0'.,6.0/62';00*'1 7503'7:2*+-6' 9.%3"%#/2'2''2*'75524*6'2'6.0,/' /4,6'8,6.'6./00'50 -'2/' 5255,'210*,*+'0 7-6,57 =' P' 0',*' &E('-017/7603' 9?9&'7-'6.0'6=10'2'7':-:7 ' 7:,='8.,5.'2* ='3, 0/-' /2:' 9.%3",#/2'/',*'6.0'7;-0*50'2 ':, 6=' 4,50'6.0'10/,1.0/,5'-6= 0-' 07?,*+'6.0'621'2 '6.0'2?7/='*7.03'6.0'1 750*67-'8.,5.'7/0'3,-6,*56',*'6.0,/'4110/'12/6,2*',*-6073'2' 2/:,*+'7'50*6/7' 52:: 2*' 7G,-' 2?4 0-'52*-67*6='/,6.'0G60/,2/'/71.0'7*3',*60/,2/' :,5/11= 0E ;46'80'.7?0'-00*',*' '!/&$"#8'2'5'=2 5'6.76' 6.0'0G60/,2/'/71.0',-'7'5.7/7560/'2'-:7 ' 740' 9?#8'/'7-2' 711/275.' / / '!#)'W?',*'6.0,/'2112-,60' 2/'760'760'07?0-',* 2/0-50*50'30.,-50*6' /4,6-'-003'8,6.'0G60/,2/'/71.0'7*3'-,+.6='54/?03'0:;/='2' ,*'6.0':,33 0'2'7'521,24-'7;4:0*

.0' 2G'G 9?9&'&' .'"###"'8&',*.7;,6-'6.0' 03,60//7*07*'/0+,2*-'8.0*50',6'-1/073-'62'6.0'*2/6.'2' 4/210' *26.0/'-105,0-'+/28-',*'6.0' 7 07/,5' -7*3-'J 6./00'2/' 24/'26.0/-',*.7;,6' -,7' .0' 2G' 8,6.'103,50 03'A' 280/-' 2/:,*+'6.0'-4;+0*4-' "#2'"'/5',-' :0/,57*'7-'80 '7-'7'-105,0-'2' /2%-&K /8)"/' .0'26.0/'-105,0-'2' /2%-&/8)"/'7*3' /"232322/'7/0' -,76,5

.0'52::2*' 2G',-'7'-./4;'7667,*,*+' E'62'T$'006',*'.0,+.6'2'8.,5.'7'387/'?7/,06=',-'54 6,H ?7603'2/'03+,*+-'62';2/30/-' .0'5 2-0'7*3'.2:2+0*024-'6,--40'2',6-'8223'/0*30/-',6'?7 47;0'2/'8223H 0*+/7?,*+'7*3',6',-'2*' 2G'6.76'6.0',4-6/76,2*-'62'6.,-'82/9'7/0'0*+/7?03' '305256,2*'2'6.0'+/7603' 8223'O7-'2/:0/='4-03'7-'7'-432/,,5'7*3'0;/,4+0J,6-'07?0-'7*3'-003-'7/0'14/+76,?0' 6',-'2 60*'-4;H -6,64603'2/' 21-'62'+,?0';,660/*0--'62';00/';46'6.,-'734 60/76,2*',-'37*+0/24-'7-',6',*3450-',*60-6,*7' ,* 7::76,2*

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L" 8 " D 2 $9%(!/"5 \\I,')5 (/!()$' - @4 38 $%'' $%"3/$5 /!$''"8/$'' <#$%5 $%'' !W+bb/ 88'2$#('' $%#2F % :"''5 \>2'!!')6 , \>!I,')5 3'' % J T %5 #8P5F#:%5 2'!!' !329!#2#)/!' " - ! #" $'5 :' 75 :!'&%-5 /!,9 '8 B ! 3..3&#$'

?0/+/00*5 ! 2/5 & ! 4 8,6.5 6.0 .7;,65 2 "#2'3"5 2/5 +./2"#)'<5 2112-,605 2 60*5,: ;/,5760 5 ,765 2/5 0/,51,3 5 >4,605 0*6,/0 5 10**,*0/?03J &$#.9!'&5 :,*460 5 -06, 2/ :5 2/5 + 7*34 7/5 " 5 -2 ,67/=5 ,*5 6.0 5 7G, -5 2 5 6.0 5 4112/5 07?0-5 2/5 2 5 52 24/03 5 ;/756-5 T % ;/75602 760 5 -0--, 0 5 2 5 52 24/03 5 755/0-H 50*6J 5 $9,'5 5=,*3/,5J !3,'& %5 ?7 ?760 5 2/5 /0341 ,5760 5 ,*5 :-6,?76,2*5 - 5 %5 ,*-0/603 5 2*5 6.0 5 10/,7*6. 6./276 5 7 60/*760 5 8,6.5,6-5 2;0-J:#!/ '8$&5 4-47 =5 ?0/=5 -.2/6 5 52**056,?0 5 6.,590403J /8$%'">2'!!&5 73*760 5,*6/2/-0 5 30.,-50*50 5 2*+,643,*7 J .3!! >5 7"/#8&5 2?2,3 5 -4 5760 5 % 5 /00 5 % 50 03 5 50 -5 2112-,605 6.0 5 10/,7*6. 2;0-J &$-!'5 60/060 5 2/5 8,6.5 %5 7*+ 0-5 6.76 5 7 60/*760 5 8,6.5 6.0 5 50 -J &$#7 /&5 %5 2/5 2*0 5 % 7;03J 3(9!'&5 T5,*5 075.5 50 5 7*3 5 0/056 5 2/5 %5 T5 0/056 5 7* 5 T5 10*34 24-5 /2:5 6.0 5,**0/5 7*+ 0 5 7*76/2124-5 5 % 0 03 5 254,5,37 =5 % ?7 ?03J (/!('&5 754:,*760 5 ;/079,*+5 787=5 /266,5 6.0 5 -6= 0 ;7-0 5 5 2; 2*+J $'&$/5 -.,*,*+J %#!9 5 0G57?7603J :98#2!'5 ?0/=5 -.2/6 5 8.,60 5 6.,59J /!,9 '8 5 $' " - ! 5 0-.=5 2?2,3J 23$-!')38&5 T5 :,*460J "/)#2!'5 *0G6 5 6.0 5.,4:5 2;64-0 5 2/5 52*57?0

! 5 5 2 ! G 1 -@ 9?5 5 ;5 9*475 0 5 9894+5 8*4+90 9?5 5 08 5 5 '82'/5 $-!/.$'" 5 "/2%-&#.%38& /"'323!!/

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5 7:,=5 2 5 2;-54/0 5 7 *,=5 :2-6 5 5 2-0 =5 7 ,03 5 7552/3,*+5 C62 5 ,*3 0=5 62 5 +%/ 8'#&5.46 5 3, 0/,*+5 -,+*7 =5,*5 6.0 5 7*6.0/-5 87*6 5 2 5 1067 -5 7*3 5 3,-9 5 7*3 5,*5 6.0 5 -6,+:7 5 8.,5.5,-5,*34-,760 5 7-5,*5 "F'2' 5 6 5 .7-5 ;00*5 7 -2 5 52:17/03 5 8,6.5 ./2"#)'2'5 "98#/2'2'5 7*3 5 "3$'/2''' A5 ;46 5 8,6.5,66 0 /07-2*

76,?0-5 2 5 246.5 /,57 2 5 *2 5 9*28*5 4-0J -2:0 5 1/23450 5 7 5 *74-024-5 ?,-5,3 5 +4:5 57 03 5 7/5202 5 ;46 5 8.,5.5,-5 *26 5 6.0 5 7/5202 5 2 5 6.0 5 /009-5 8.760?0/5 6.76 5 8i B * !

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' - 4 *3.5 0*B - 4 38)'"

L0 8 5 + 5 &9,$'8)')5,-5 # ,"#2/$#87 5,"/2$& 5 2 5 \>./"$#$'5 &'7 '8$&5 # K ,"#2/$'5 - 5 \4 /$5 $%'' 5,3$$3 5 3:5 $%'' 5.'"#/8$%>$9,'J 5 ('"&/$#!'5 ? 5 :"''5 \>2'!!')6 5 \E5 /- 5 #89$'6 5 E4 .'8)9!39&5 #8 5 '/2%5 2'!!' 5 !329!#2#)/!' " - ! 5 #8 5 $%'' 5 /?#&5 3:5 /5 :!'&%-5 /!,9 '8J 5 !#8'/"5 :!'&%- B ! 5 3..3&#$'

5 5 5 2112-,605 >4,605 0*6,/0 5 & 5 60/:,*7 5 75460 5 -,9=5 8,6.

; ?79=ˢ / +7ˢ >8*4+?# @?@* Aˢ *8:9# ?0B9+ B9?ˢ ?B* # >80&;ˢ 08ˢ > *4F ?7 C@8C 9# 0 +9;ˢ 09+ =ˢ 2 ˢ ? ; : 9ˢ . 4ˢ ?0B9+ B9?ˢ 89:@ *8# M 0>9=# 4*BC*;@ *+9ˢ 08ˢ80+*+9# ?0B9+ B9?ˢ 889:@ *8# C0 AB08C70@?ˢ $9,'ˢ ?/0 9;ˢ *>0-9ˢ +79ˢ ?@BB +ˢ 0 ˢ+79ˢ 0-*8Aˢ ;+0ˢ *ˢ @+8 4 9ˢ 9;4 0? ;:ˢ +79ˢ ?+*B9;?# *;=ˢ ?C89*= ;:ˢ ;+0ˢ *ˢ 4@C ?7*C9=ˢ H1 *> *+9ˢ 08ˢ C98 C7Bˢ B># -* -*+9ˢ 08ˢ ;=@C 4*+9ˢ ;ˢ ?9?+ -*+ 0;# C98? ?+9;+ˢ 08ˢ B*849?49;+ˢ - ˢ N# 8*89 Aˢ ˢ 08ˢ H ˢ G8*89 Aˢ H MNI# ?0B9+ B9?ˢ @8; ?79=ˢ / +7ˢ ?708+ˢ *B9;+?# 899# 08ˢ 407989;+ˢ >9 0/# ;?98+9=ˢ 0;ˢ *;ˢ9C :A;0;?ˢ *;;@ *8ˢ= ?F# 08ˢ *+ˢ+79ˢ >*?9ˢ 0 ˢ +79ˢ ?+A *8Aˢ 40 @B;# ?0B9+ B9?ˢ ?9?? 9ˢ *;=ˢ*=;*+9ˢ+0ˢ+79ˢ ?+A *8Aˢ 40 @B;ˢ>Aˢ+79ˢ / 70 9ˢ ;;98ˢ ?@8 *49ˢ 0 ˢ+79ˢ *;+798?ˢ ᵠ /8$%'"&ˢ 49 9=[# 95+808?9# 08ˢ 8*89 Aˢ ?@> ;+808?9# 08ˢ ?0B9ˢ 95 ˢ +8O8?9#*;=ˢ+79ˢ 0+798?ˢ ;+8O8?9ˢ ;ˢ+79ˢ ?*Bˢ 0/98ˢ G '$'"3$"3./ 5ˢ 49 ?ˢC*8* 9 # *CC0?9=# =97 ?49;49ˢ 0;:+@= ;* # 40;;94+ -9ˢ ?0B9+ B9?ˢ C80 0;:9=ˢ ;+0ˢ *ˢ C0 ;+ˢ D &/"9 ˢ ? ˢ B089ˢ 08ˢ 9??ˢ 40BC 9+9 Aˢ ; 98 08# ? 9;=98ˢ G9549Cˢ &/"9 5ˢ N ˢ 08ˢ 49 9=ᵠ &$-!'&ˢ @?@* Aˢ N# 8*89 Aˢ Mˢ 08ˢ B089# @; +9=ˢ *+ˢ +79ˢ >*?9ˢ ;+0ˢ *ˢ 40 @B;ˢ G;9*8 Aˢ* /*Aˢ ?+*B ; 980@?I# = - =9=ˢ *+ˢ+79ˢ+0Cˢ ;+0ˢ ?+ :B*+ 980@?ˢ 0>9?ᵠ 3(9!'&*;*+80C0@?# "/.%'ˢ +7 4F# ?98 *+9ˢ *+ˢ+79ˢ ;;98ˢ*;: 9?ˢ 0 ˢ +79ˢ N 49 9=ˢ 0-*8 9?# *;=ˢ H ?98 *+9ˢ =0/;ˢ +79ˢ 49;+89ˢ 0 ˢ+79ˢ ?9C+@Bˢ ;ˢ+79ˢ 49 9=ˢ 0-*8 9?ˢ D "/7/8$#/ ˢ 0 ˢ?0B9+ B9?ˢ 480/;9=ˢ >Aˢ+79ˢ C98? ?+9;+ˢ 4* A5 B>ˢ 08ˢ >Aˢ +?ˢ B*849?49;+ˢ >*?9# ?0B9+ B9?ˢ @B> 4*+9ˢ >Aˢ +?ˢ ?4*8# *ˢ 4*C?@ 9# 8*89 Aˢ *ˢ >988A# ?0B9+ B9?ˢ ?@> : 0>@ *8ˢ 08ˢ :0;0@?# @?@* A N :0;0;?# / +7ˢ Nˢ 08ˢ ˢ 49 ?# ?0B9+ B9?ˢ 889:@ *8 Aˢ =97 ?49;+# @?@* Aˢ ?9C+ 9 =* A N ˢ -* -9=ˢ *+ˢ+79ˢ >*?9# 8*89 Aˢ *+ˢ+79ˢ +0C# 8*89 Aˢ*C 4* ˢ ˢ B089ˢ 08ˢ 9??ˢ;@B980@?# 708 <0;+* # @?@* Aˢ *+9;9=# 0/98ˢ *49ˢ 40;-95# @CC98ˢ 40;4*-9ˢ *;=ˢ 044@C 9=ˢ >Aˢ *ˢ C80B ;9;+ˢ ?@>980?9ˢ @;:0 =ˢ8*C79# /7 47ˢ?9C*8*[9?ˢ 80Bˢ+79ˢ+9?+*ᵠ /!,9 '8ˢ 40C 0@?# 9?7Aˢ 08ˢ ?@> 70BAˢ " -! ˢ B ;@+9# >*? *8# *5 9ᵠ 23$-!')38&ˢ -98Aˢ ?708+# ?4*849 Aˢ - ?> 9ˢ >9 089ˢ :98B ;*+ 0;ᵠ "/)#2!'ˢ;9*8ˢ+79ˢ 7 @B# 49;+8 C9+*ˢ 08ˢ ; 98 08

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-*8Aˢ N 49 9=# BO89ˢ 08ˢ 9??ˢ ; 98 08# ?708+ˢ *;=ˢ 8*+798ˢ >80*=ˢ +*B9;?ˢ H # 899ᵠ *B9;+?ˢ = ?+ ;4+ˢ 80Bˢ+79ˢ ?+A *8Aˢ40 @B;# Nˢ 0@+98ˢ ?708+9?+# 0CC0? +9ˢ +0ˢ +79ˢ ?+A 9?ᵠ *;+798?ˢ ;+8O8?9ˢ 08ˢ 95+808?9ˢ * A5ˢ C98? ?+9;+ᵠ B># 89:@ *8# M 0_9=ˢ *C?@ 9ˢ 0C9; ;:ˢ 889:@ *8 A 1 98>?ˢ / +7ˢ C989;;*ˢ 87 <0B9?# 0/98ˢ 9*-9?ˢ ?4* 9E F9# 4*@ ;9ˢ ;08B* # 89; 08Bˢ 0/98ˢ+98B ;* # ?0 +*8A

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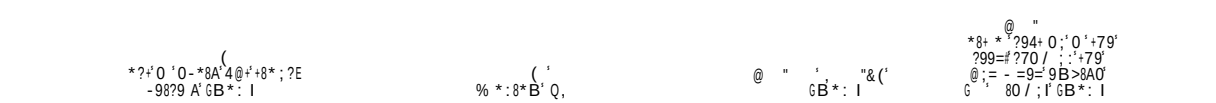

, +ʻ 38ʻ $%'ʻ "33$&ʻ /8)ʻ &3 '$# '&ʻ 38ʻ $%'ʻ ,"/82%'&ʻ 3:ʻ)#23$-!')3839&ʻ .!/8$&ʻ 2 ʻ 383.%-!!39&5ʻ "'79!/"ʻ ʻ =4ʻ 3'ʻ "/"'!-ʻ \>.'$/!39&ʻ G C0=* +79?9Iʻ $ ʻ #ʻ H ʻG"/"'!-ʻ M Iʻ&'"#/$'ʻG C0=*;+ 9?9Iʻ % ʻ >2'!!')5ʻ<#$%ʻ&'('"/!ʻ /8->ʻ 3(9!')ʻ.!/2'8$/&,ʻ ʻ 3"$%3$"3.39&5ʻ&3 '$# '&ʻ&9%>/8/$"3.39&ʻ 0 ʻ #8)'%#&''8$5ʻ /8->&'')')ʻ " -! ʻ 98)#(#)')5ʻ /!,9 #839&ʻ 3'ʻ83$

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0/98?ʻ ʻ 08ʻ = 094 0@?ʻ 98 *;+ ʻ H =#ʻ *9?+ -*+ 0;ʻ B>8 4*+9ʻ G /::!'&#/5ʻ . ."#/ 5ʻ 08ʻ -* -*+9ʻ G "97 /8&#/ 'ʻ *;+798?ʻ H ?98 *+9#ʻ *=;*+9ʻ @;=98ʻ+79ʻ= *+9=ʻ+0Cʻ 0 ʻ *ʻ?+*B ;*ʻ 40 @B;ʻ G&-8' / 5ʻ*;=ʻ 0C9; ;:ʻ>Aʻ*ʻ? ;: 9ʻ 08ʻ=0@> 9ʻ C089ʻ -*8Aʻ/ +7ʻ 40; @9;+ʻ 08ʻ = ?+ ;4+ʻ B*;A 0-@ 9=ʻ C *49;+*?ʻ 98 4* Cʻ ?9B *=7989;+ʻ 08ʻ 899# 9?7Aʻ 99=?ʻ 894@8-9=#ʻ @; 4 9ʻ = *+9=ʻ *+ʻ +79ʻ +0Cʻ B>8A0ʻ* >@B ;0@?#ʻ *5 9# ?708+98ʻ+7*;ʻ+79ʻ* >@B9; 1 *8*? +9?ʻ 0;ʻ+79ʻ800+?ʻ 0ʻ " ;9?ʻ 0/98ʻ ?@> ?9?? 9# >8*4+?ʻ B>8 4*+9

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0/98?ʻ ʻ 98 *;+7ʻ M =#ʻ *9?+ -*+ 0;ʻ -* -*+9ʻ +*B9;?ʻ ;?98+9=ʻ 0;ʻ+79ʻ C98 *;+7 +@>9' *;+798?ʻ ;@B980@?# =97 ?4 ;49ʻ 0;: +@= ;*# @; +9=ʻ ;+0ʻ *ʻ M 0>9=ʻ 8 ;:# 0ʻ /7 47ʻ 9*47ʻ 0>9ʻ ?ʻ 0CC0?+9ʻ+0ʻ+79ʻ C98 *;+7 ?9:B9;+?ʻ -*8Aʻ ; 98 08'ʻ ?+ :B*ʻ ?9?? 9# =9C89??9=# 0ʻM 0>9? 08B9=ʻ>Aʻ*CC0?9=ʻ *B9 ?9# = ?+ ;4+ʻ+0ʻ+79ʻ4*- +Aʻ 0ʻ+79ʻ 0-*8A# / 7989ʻ+79Aʻ>940B9ʻ C *49;+ 9 0@?'ʻ C *49;+*?ʻ C9;=@ 0@?ʻ 80Bʻ+79ʻ +0Cʻ 0ʻ +79ʻ 0-*8A# ?@> 4A ;=8 4ʻ 08ʻ >8*;47 ;:# 9-98A/7989ʻ 40-989=ʻ >Aʻ -98Aʻ ;@B980@?ʻ 08+70+80C0@?ʻ 0-@ 9?ʻ 8@ +ʻ 9?7Aʻ B>8A0ʻ: 0>0?9ʻ ;ʻ+79ʻ *5 ?ʻ 0ʻ *ʻ4*8+ *: ;0@?ʻ * >@B9; 1 *8*? + 4ʻ 0;ʻ+79ʻ87 <0B9?ʻ 0ʻ 9.%3",#/',*ʻ 0@+7ʻ 8 4*

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0/98?ʻ=4 ;0@?ʻ 98 *;+7ʻ =#ʻ*9?+ -*+ 0;ʻ B>8 4*+9 1ʻ ʻ)+*B9;?ʻ=0@> 9ʻ +79ʻ;@B>98ʻ0ʻ+79ʻ4* A5 0>9?#ʻ@; +9=ʻ ;+0ʻ0;9ʻ>@;=9'*;+798?ʻH ?98 *+9ʻ*+ʻ+79ʻ +0Cʻ 0ʻ+79ʻ?A;9B*#/ +7ʻ ʻ *CC0?9=ʻC*8* 9ʻ\ 49 ?#=97 ?49;49ʻ 0;: +@= ;* ʻ `ʻ) -*8Aʻ ; 98 08# HNʻ 49 9=ʻ *>0-9#ʻ >@+ʻH 49 9=ʻ >9 0/'ʻ C *49;+*?ʻ = ?+ ;4+#ʻ C*8 9+* #ʻ ;

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C* 8?# 0>9=" ?+A 9 ?0 +*8A" ?+ : B * / +7 8*= *+ ; : 0>9? 8@ + * >988A# 08 ?@> 408 *490@?# C@ CA / + ; B>8A0 95* >@B ;0@?# @;= - =9=# >0B0:9;90@? *8*E ? + 4 0; #&$9& ; +79 9= +988*;9*;89: 0;" *;= 0; +>9 800+? 0 0+798 C *;+? ; B98 4** *;= 0@+7 8 4*

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0 / 98?' = 094 0@? * A5 =' 08 C*8+ +9# B>8 4*+9 ; *9?+ -*+ 0; *;= C98? ?E +9;+ 080 *' 0 ' =94 =@0@?' C9+* ? 4 ;+798?' C *49= >9 0 / +79 = *+9= +0C 0 +79 ?+*B ;* 40 @B;# M ?98 *+9# ?9?? 9# H 49 9= -*8A *=7989;+# B*;A 0-@ 9=" 0-@ 9?' 08+70+80C0@?# ?4*++989= +780@:7 +79 4*- +A" ?+ : B * 4*C +*+9 8@ + * >988A# ; 98 08 B>8A0 95* >@B ;0@?# @;= - =9=# 70B0:9;90@? 1 *8*? + 4 0; +79 ?+9B *;= >8*;479?' 0 = 40+A 9=0;0@?' C *;+?# ;9-98 0; +79 800+?#

1237*6.0- , 2-6= 0-

M::!'&#/' 7*3 "97 / #/ ;0 2*+ 62 6;0 *3,7* /5.,10 7+2 /. / ,*.7;,6- 6.0 -.73= 2/0-6- 2 6.0 0G6/0:0 07-60/* ,:7 7=7 -) "/ +/28- ,* /,57 7*3 246. :0/,57 -$#"+/ 1/,*5,17 = ,*.7;,6- 246. /,57 7*3 6/21,57 2/6. :0/,57J 2660 -105,0- D -.3)&$#& ;0 2*+- 62 6.0 03,H 60//7*07* /0+,2* .3)/8$%'& 7*3 #!3&$-!'& 2554/ ,* :0/,57 2* 6.0 -60 : - 7*3 ;/7*5.0- 2 -050/7, '7< #83&W" D)'& #/5 /##%#8#/5 /!!#/8)") ' 2:0 -105,0- 7/0 /0:7/97; 0 2/ 6.0,/ +,+7*6,5 280/-J 6.76 2 /*2]36 1/,*+- 3,/056 = /2:'6.0 /226- 2 #&&9& /87 $#:3!#/-'?./8)&5 2*' 6.0 -4/ 750 2 6.007/6. 7*3 7667,*- *07/ = (006 ,* 3,7:060/ .0 10/,7*6.,- E ,3 -1/073,*+ 7 ,3 6.0 6./276 ;07/- 7* 7**4 7/ 5/28*J ,6- 1,*9 52 24/ 7*3 -50*6 2 :076 766/756 6.0 ,0- 8.,5.6., - ;052:0 7,3- 62 ,6- O/6, ,M76,2*

-$#89&52*67,*- ;0-,30- +7 ,5 75,3 7*3 67**,* 682 52 24/,*+ 1/,*5,1 0- 7*3 7 :7660/ 7*7 2+24- 62 9! $8' /2:'6.0 .0/;7+0 7*3 /4,6 ,- 2;67,*03 7*OG6/756 57 03 =125,-6,- 4,50J ,6 ,- ; 759,-. 75,34 7603' 7-6/,*+0*6 7*3 .7/-.',*67-60J ,6 87- 9*28* 62 6.0 7*5,0*6- 7*3 ,- -6, 4-03 ,* 6.0 -246.' 2 4/210 2/ ; 223= 4G 7*3 3=-0*60/= .0 ;43- 2 3$ /7/0 4-03 ,* !7?7 2/ 460/,*0 .70:2//.7+0 "97 '-#&#/' 7 -2 12--0--0-' 1280/ 4 -6=16,5 1/210/6,0- _ .0 /. M2:0 2 -)8M"/ ,- 4-03 ;= 6.0 2660*H 626- 2/ 67**,*+ 6.0,/ ,-.,*+ *O6- " 5

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0 8 ')#2!#839&5 &.#F') ' S) 2 ' &#87!'5 I>H> >!3%')5 3" = ' - M 40# #8&'"$') /$ $%" %3&" 3: $%" .'"#/8$%5 3" 3: $%" %"/2$') 2 8 ' &9.'"#3"5 >H>33%') ' % ' #8:'"#3"5 N>2'!!')É ' &3!#$/"-5 '"'2$5 3"$%3$"3.39&' 0 ' :!'&%-5)'%#&2'8$ 3" 83$' # '&'.$/$' ' ' '?/!,9 #839&" ':!'&%-5 3#!-5 H>%%') 1 -' <33)-' ' /!$'"8/$'5 .#88/$'5 '?&$#.9!/$'

' 08 ! ' / +7 / *+98A' 08 89? @0@?'D@ 49 ,9)& M# ?@C98 BC0?9= ;' +79 ?*B9 *5 # 0 *490@?' 08 ?4* A# ?9?? 9# 08 ?+ C +*+9 >9 089 +79 9*-9?' @; 0 = ' ' * +98;*+9# 95?+ C@ *+9# BC*8 ' 8*89 A C*8 C ;;*+9# : *>80@?' C@>9?49;' +0B9;+0?9 08 / +7 ?4*++989= = ?40 = 7* 8?" !'/:!'$& B9B>8*;0@?' 08 408 *490@?# ;0 C@C9+*+9

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6 ! !' ;=9 ; +9# H ?95@* ' G / 79;'+79' S' *89' ;'*5 *8A'4*+F ;?#*;='+79' ^' ;' +98B ;*'08'*5 *8A'?C F9?I#'08' ?95@*' G / 79;' +79A'*89' ;' *'4*+F ;' +98B ;*+9='>A' +79' ' O 8 ' B0;094 0@?# s' ?B*)' ' ? ; : 9# *=;*+9'+0' +79' ; ;98' *49' 0'*'>8*4+# / 7 47' ?' N 0>9=# 08' 0>9=# 08' 0>?0 9+9' - ' M MN# ;?98+9='*+' +79' >*?9' 0'+79' C98*;+7' 08' >8*4+# ?9-98* ?98 *+9" /"+8!& -98A'?708+# 899' 08' 407989;+'*+' +79' >*?9" /8$%'"& 49 9=# : *>80@?' 08' C@>9?49;+# =97 ?49;49' 0;: +@E = ;* # 40;;94+ -9' @?@* A'C80 0;:9='>9A0;='+79' 49 ?' % ' 8@= B9;+*8A'08' 1' O 8 ' `)' "/)'B089'08' 9??'@; +9='+0'+79' 0 / 98# 08' 899' " ' 4' .' 0' *@+708?I' B089' 08' 9??'*=;*+9' +0'+79' 0-*8A# M 40' +00+79='*+' +79' +0C# 08' 08B ;:' *' >8*4+9*' ;-0 @489' 2 ' " U' ?0B9+ B9?' / +7' ' +99+7# 0' / 7 47'+79' ' *;+980 C0?+98 8' *89' 95+98 08' ;' *9?+ -*+ 0;# +79' *;+98 08' 0 +9;' *8:9?+' *;='>8*4+9 08B" ?0B9+ B9?' / +7' ' *+98*' +99+7' *=;*+9' +0' +79' 0-*8A' % ' ; 98 08# H 49 9=# *+' 9;:+7' BC98 94+ A' 49 9='*+' +79'>*?9'*;='+0C" &$-!''?708+'' &$#7 /& @?@* A' # 8*89 A' '' .!/2'8$/' 49;+8* # -98A'?708+# >9*8 ;:' *;' 8+70+80C0@?' 9894+'?9?? 9'0-@ 9' O ' ?0B9+ B9?' 9?7A'08' B9B>8*;0@?# ;=97 ?49;+'08'>@8?+ ;:' 889:@ *8 A' 08' -* -9='' '8)32/".' 899' 08' @; +9='+0' +79' C98 4*8C# ;=97 ?49;+' G 8 M -* -9=# / +7' 4*8+ *: ;0@?' ?9C+*' 08B ;:' ' BC98 94+' 49 ?' *+' +79' >*?9' *;='+0C" 9;=04*8C' *;=' ?9C+*' 47*B>989=# 2' 95* >@B ;0@?" $'&$/' B9B>8*;0@?' '8)3.!'9"/'-98A'+7 ;' " - ' 9?7A'*;='0 A# 0>9=# 49+9>8 08B' 08' 408=*+9' *+' +79' >*?9" "/)#)'' -98A'?708+# ?@C98 08'' .!9 9!'' 0 +9;' C7A 0@?# @?@* A'?70/ ;:' +79'8@= B9;+?' 0'?B* '>@=?

P!4+ 7*-' P' 7/=7' P' 60/257==7' *+0 .7/36,7' P 76=57/=7

##7!/8)'#C' 8 .,5.' 2* ='52 : 1/,-0' 7;246' 6.,/6='-105,0-' 7/0' ?0/=' *07/' + -"#2'A' D8 .,5.' -00F' 6.0='7/0' 7 -2' 52**05603' 8,6.' '"', ,#8$%/2'/'5 6./24+.' #&$/2#/5' .46' '"'%#+ /2': ' 3, 0/',*' 6.0,/',* 2/0-50*50',*' .7?,*+'1067 -'7' /00' 2?7/=' 7*3' 54/?03' 2?4 0' 97!/8)' ' 711/275.' 9.9!A'"2'" 7*3' '$9!/''/',*' 6.0,/' 76*0*675024-',* 2/0-50*50' 3,5 ,*,-:' 71067 ,-:' 0G7 ;4:,*24-' -003' 8223='-60:' 7*3' 7 60/*760' 07?0-' .0='7/0' -017/7603';='6.0' -6/4564/0' 2'6.0' /4,6' 7*3' 2?4 0'6.0' 1,**760'0G-6,14 760' 07?0-'7*3'6.0'7/2 : 76,5' 1/,*5,1 0

97!/8& 7*3' 2$"-/' 7/0' 2/6.' : 0/,57*' .46' 6.0' : 2-6' /0 : 7/97; 0' -105,0-' D ' "'7#/ 5' 7-' 8 0 ' 7-' $'"32/"-/5',* .7;,6-'6.0'-246.0/*'1/2?,*50-'2'6.0' 7457-4-'_7*3' 97!/8& 6.0' ,:7 7=7-S' !:#7'!%/")$#/' ,-'0-105,7 ='6/21,57' -,76,5' !/$-2/"-/' .,*0-0' .0' 52 : : 2*' O 7 *46' D ' "'7#/ 5' 7' *76,?0' 2' 0/-,7' _7*3'6.0' ,:7 7=7-S'7*3',*6/234503',*62C /0050'7*3' 67 ='-2 : 0' 50*64/,0-';0 2/0' 24/' 0/7',-' *28' 54 6,H ?7603'6./24+.246' 60 : 10/760' 4/210' 6-'8223',-' : 45.' -24+.6';='57;,*06 : 790/-'7*3' 7/ : 24/0/-' 2/' +4* -6259-' =0/-'7 -2'2;67,*'7';759,-. ;/28*'3=0' /2 :',6' '17/6-'2'6.0' 1 7*6' 12--0 --' 7' 1054 ,7/' -50*6'62 0/7;='1 07-7*6';46'+,?,*+'.07375.0'62'6.2-0' 8 .2' /0 : 7,*' 2*+',*',6-'-.730',*'.26'8076.0/' .0'Z 10/,57/1'52*67,*-'7'?2 76,0'2,'D /2 :'8 .,5.'7'6,*564/0',-'1/017/03F'7--25,7603'8,6.'67**,*' 7*3'5,6/,5'7*3' : 7 ,5'75,3-'8 .0*50',6-'4-0'7-'7*'7-6/,*+0*6'62*,5'7*3'-6, : 4 7*6' .0' 07?0-'12--0-'7*7 2+24-'>47 ,6,0- ' .0'-003',-'03,; 0J',6'52*67,*-'7*' 7+/007; 0',G03'2,'8 .,5.'>4,59 =';052 : 0-' /7*5,3' .0' 8223'2' 8#7"/',-' : 2/0'.,+. ='?7 403'6.7*' 6.76'2' '"'7#/5 2*'75524*6'2',6-'?,2 06 ; 759'52 24/' .0' ;7/9'2' 2#8'"'/',-'4-03'7-'7'14/+76,?0',*' : 0/,57' .0'-003-'2' /"-/'7/0'03,; 0'0G5016'6.2-0'2' / /"/J ;46' 6.0' 7660/'D8 .,5.',-',*60*-0=';,660/F' :,G03'8,6.'2,'2' 57 : 2 :, 0',-'52*-,30/03'0 ,575,24-',*' 2;-6,*760' 52 ,5-' 2#8'"'/',=,0 3-'6.0' 4660/ *46J '8#7"/5 6.0' 759' O 7 *46J /"-/' 3!#(:<$8#&5 6.0' !P097*' *46J '/!,/'7*3'8#7"/5 6.0' ,592/= *46J 7*3' '7!/,"/5 6.0' ,+ *46B 7 '2' 2/6.' : 0/,57' 87'!F/")##/' 52*67,*-'7*' 7;4*37*50' 2' /0-,*24-' 4,50-' '&.#2/$/'7667,*-'7' .0,+.6'2' <$'62' T&$' 006'7*3',6-'6/4*9' ;052 : 0-'-2' 7/+0'6.76'6./00' : 0*' 8,6.'7/ : -' 0G60*303'57*'-57/50 =' 6245.' 7/24*3',6' 6-' /4--06 52 24/03' 8223'.7/3' 7*3'.07?=',-' 4-03' 2/'57/6 8.00-',*' !7?7'7*3' 2/'?7-0-'6.0' 3,7 : 060/'2'8.,5.',-'-2 : 06, : 0-' 0*2/ : 24-

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4')/8&38>5$ - -'./"&5 9&&#'9 5 3 4' #2%/")5
8)!#2%'" 1 _ J 4' 9&&#'9 B k4 , ' ' " / 4' 19 3"$#'"

79?;@+#' D ' ' B
8@ +?'*;=' ;-0 @489#'9*47'?C ;9'0 ' / 7 47'89C89?9;+?'*;'
>08+ -9'>8;47#'? +@*+6' ;'+79'*5 '0 '*' 0 *490@?'?4*9

9947' 4 >(' ! B'
8*;?-98?9'?94+0;'0 '
79?;@+ '99='GB*:I
$' 0/98'GB*:I

79?;@+
Q'*;='' =*+F ;?

*F
8@ +'4@+'-98+4* A

*F ' D R(('@ (B
1'*;=' Q' >8*;479?#'/ +7'+79':*;=

*F
Q' 0/98'4@+'-98+4* A'GB*:I

R' -
Q' 0 / 98'4@+'+8*;?898?9 A'
GB*: I

-@ 9' / +7'0@+98'a 95@0@?'
B9B>8*;9'*;=' *8:9'
950?+0;D9'GB*: I

R > "D ' >08+ -9'
0-@ 9?'*+'+79'>*?9' '
+79'?99=

0 8 ! ')#2!#839&5' #8'&.#%'&5' S' <#$%' /'&#87!'". '"#/8$%' - '/7 '% 0 8 '
U' &'&&#!'5' #8' /' 29.9!#:3" ' #8(3!92"'' 0 '&#87!'5' 2/!-2#:3" ' % '#8:'"#3"'5'
3:' M N' H>3(9!')' 2'!!&E' 0-@ ' /8/$"3.39&5' .'8)9!39&' 3'6' '"'2$' - = #8(3!92"/$'5'
9&9/!!-' N>&'')')' ' '?/!,9 #839&' " - ! ' &$"/#7%$ Q> ' <33)-' '
/!$'"8/$'5' &$#.#)/$' ' #

4' 8*89 A' ! ' ' * +98;*+9#' ? BC 9#' C9;;;98-9=#' 4*=@40@?' 08'
C98? ?+9;+#' ?+ C@ *+9' 0 8 " ' B0;094 0@?#' @?@* A' ;' H :95@*' ?C F9?#' ?0B9+ B9?'
`' *+' +79' >*?9#' *;=' S' *+' +79' *C95'6' S' ;' 4A ;=8 4' 08' : 0>0?9' 4*+F ;?#' ;*F9=' 08'
>8*4+9*+9' 2 6 ' ? ;: 9#' 0>9?' 0 +9;' @;9R@* ' - 1 ' #' ;?98+9=' *+' +79'
>*?9' 0 '+79' C98 *;+7#' 899'6' :#!/ '8$&' / 9*F'6' /8$%'"& . 9 9=' % '8@= B9;+*8A' 08'
1 0 8 ' \' H M #' ?9?? 9' ;' *' 40BB0;' 4@C@ 08B' ;-0 @489' 95+98;* A' 4 0+79=' '
/ +7' 4* A' /' ?C ;9?49;+' 08' *4489?49;+' ?4* 9?' 2 ' ?@C98 08# 89:@ *8#' @?@* A
N 0>9=' % ' ; 98 08# M N 49 9=' >A' 49;+8 C9+*' ?9C+*' / 7 47' *89' 9*8 A' *>?08>9=' '6'
&$-!'&' *?' B*;A' *?' 49 ?#' @;= - =9=#' ?+ :B*+ 980@?' *+' +79' +0C'6' 3(9!'5' :9B ;*+9' ;'9*47'
49 # 9894+#' >*?*' 08' C9;=@ 0@?' 80B' +79' *C95#' *;*+80C0@?#' @8; ?79=' / +7' *' =0@> 9'
;+9:@B9;+' 0 ' 40BC0?9=' 0 ' ;@+?' 40;+*;9=' ;' *;' ;-0 @489' 08' *' =97 ?49;+'
R@C@ 9' ' @?@* A' ?0 +*8A' ;' 9*47' ;@+#' +79' *889?+9=' 0-@ 9?' C98? ?+ ;:' ;' +79 8'
08 : ;*' C0? + 0;' " - ! ' ?+8* :7+#' 95* >@B ;0@?'6' "/)#2!'5' ?B* #' ?@C98 08'6' 23$-!'K
)38&@?@* A' 9?7A#' 0 =9=' 08' ? ;@0@?#' *;=' +79 8' ;;98' *49?' C89??9=' +0:9+798

P' k40/54- ,6 257/14- P' 7-67*07 7-67*217,- P' 7+4-

9.9+:"'"'&' 711/275.'4 '$9!#8'2'" ,*' 6.0' 7 60/*760' -6,14 760' 07?0-' ,* 2/0-50*50' 3,5 ,*,-:' -0?0/7 '
50 03' 2?7/=' 7*76/2124-' 2?4 0' 3/=' 20 03' /4,6' 7*3' 0G7 ;4:,*24-' -003J ;46' 6.0=' 3, 0/',*' 6.0,/',*H
0/,2/' 2?7/=' 7*3' 5414 760' /4,6' .0=' 7/0' 7 -2' 52**05603' 8,6.' 97!/8)#'2'5' 2/' ;0-,30-' 6.0' 7 *,6,0-'
,*3,57603' D76'6' 1' ' (F' 6.0' 752/*' ,-' -2 : 06,: 0-' 3,?,303' ,*62' 24/' ;=' 7 -0' -0167' 7' 5.7/7560/' 2*' 8.,5.'
,*3 0=' 0-67;,-.03' .,-' +0*4-' -#9&)"-&' ,*7 ='6.0,/' 7 ,*,6=',-' 2;?,24-' 8,6.' 3 /3'/' D8.,5.' -00F'7-'
,*3,57603' ;=' /2*+*,7/6

9.9!#:'"'2'" 1/,*5,17 =',*.7;,6' *2/6.0/*' 60:10/760' /0+,2*-' .0=' 0-105,7 =' 7;24*3' ,*' :0/,57J
6.0=' 7/0' ?0/=' /7/0',*' 6.0' *2/6.' 2' -,7' _0G5016' .,*7' 7*3' !717*S' ;46' 2/:' ?7-6' 2/0-6-',*' 246.' 7*3'
0*6/7' 4/210' _6.0' ,:7 7=7-' 7*3' 7-6' -,76,5' :24*67,*-S' 2:0' 7667,*' 6.0' -*2O' ,:,6',*' 6.0'
67/56,5' /0+,2-'_26.0/-',*.7;,6' 6.0' :24*67,*-' 2' 4-6/7,7' 7-:7*,7' 7*3' 08'h07 7*3S' .0=';052:0'
/7/0' 7-' 6.0=' 711/275.' 6.0' 0>4762/' 7*3' 2* =' +/28',*' 0 0?7603' 257 ,6,0-' 2*' 6.0' 7/+0',-7*3-' 2' 6.0' *3,7*'
/5.,10 7+2' .0-*46-' 7*3' 79-' 7/0' *4:0/24-' 2*' 6.0' .,+.' :24*67,*-' 2' 5,-0>4762/,7' -,7' 7*3' -105,0-'
2' 6.0' 7660/' +0*4-' 7/0' *26' /7/0',*' 6/21,57' 2/6.' :0/,57' *' -246.0/*' 6/21,57' 524*6/,0-' 6.0=' 7/0

'F<)

7 82-6 8 .2 =' 87*6,*+' /,57 1/23450-' *2*0' 0G5016 ,*' 6.0 03,60//7*07*' /0+,2*' 8 .0/0 7 08' 79-' 7/0 : 06 8,6.' .0 005.' ,-' /01/0-0*603' 2*' 6.0' *30-' 2' .,' ;=' ?0/=' 67 ' 6/00-' D /::9/ . 3''"/ 5 8 .,5.' 7/0 2* =' 0--' 2 6='6.7*' 6.0' "/92/"#/>5 7*3' 2*' 6.0' : 24*67,*-' 2 ' 6 ,0' -7 : 0' 524*6/=' ' 9 #!#3 : 7/9-'6.0' , : ,6' 2 '7/ ; 2/07 ' ?0+0676,2* ' 6.0/' -105,0-' 2 ' 005.' .7?0' ;00*' 2 ; -0/?03' ,*' _ 40+,75 7- : 7*,7 7*3' 08'h07 7*3

;0-,30-' 6.0' ;0746=' 2 ' 6.0,/' .7 ;,6' 7*3' 2 ,7+0 ' 7/0' 7 : 2*+-6' 6.0' : 2-6' 4-0 4 ' 2 ' 1 7*6-' 16' 2* =' 32' 6.0=' 4/*,-.' 4-' 8,6.' 7' ?7 47 ; 0' 40 ' ; 46' 6.0,/' 8223' ;0,*+' _2 60*S' 5 2-0 +/7,*03' *07/ =' , : H 10/,-.7 ; 0' 7*3' 07-, =' 82/903' ,-' 4-03' ,*' 6.0' : 7*4 7564/0' 2 '7+/,54 64/7 ' 7*3' 26.0/' , : 1 0 : 0*6-' 4/*,64/0' 7*3' 460*-, -' 2 ' 7 ' -2/6-' 7-' 80 ' 7-' ,*' 6.0' 52*-6/456,2*' 2 ' : 75.,*0-' ; 4, 3,*+-' -.,1-' "5' .0-0' 6/00-' 2 60*' 7667,*' 7' -,MO' 8 .,5.' ,*3,5760-' 7' 1/23,+,24-' 2*+0?,6=' .0/0' 7/0' ,*' 67 =' .0-*46-' 8,6.' 6.0' 6/4*9' 2 ' %$' 'E '7*3' 0?0*' <$' 006' ,*' 5,/54 : 0/0*50' 7*3' 8 .,5.' : 4-6' 50/67,* =' .7?0' ;00*' ,*' 0G,-60*50' : 7*=' 6.24-7*3' =07/-' _ .,-' ,-' 7' 3,-14603' -6760 : 0*6 S' .0/0' 80/0' 2/ : 0/ =' ,*' /7*50' : 7*=' 79-' 8 .,5.' 80/0' 50/67,* =' 5260 : 12/7/,0-' 2 ' 6.0' /4,3-' , 0' 6.0' 79' 2 ' 46/7+0' ,*' -750' 8 .2-0' 6/4*9' 76' 6.0' +/24*3' : 07-4/03' %<' 006' ,*' 5,/54 : 0/0*50' 8 .0*' ,6' 87-' 546' 328*' ,*' &E&' 7*3' -2 3' ; =' 7456,2*' .76' 2 ' 24 ' ?, 0',*' 2/ : 7*3=',*' 8 .,5. ' T$$' =07/-' 7+2 ' 7' 5.710' 87-' .2 2803' 246',-' 2 ' 7 ; 246' 6.0' -7 : 0' -,M0' .0' 7/+0-6' 79' -6, ' 0G,-6,*+',*' /7*50',-' 6.76' 2 ' 2*6/7?7, ' *07/' 7,*60-' T'' 006',*' 3,7 : 060/' 7*3' 4187/3-' 2 ' -2' 006' ,*' 5,/54 : 0/0*50' 6' ,-' ?0/=' 73?,-7 ; 0' 6.76' 6.0-0' ?0*0/7 ; 0' : 2*4 : 0*6-' 2 ' 6.0' 0+067 ; 0' ,*+32 : ' -.24 3' ; 0' 1 7503' , : 30/' 6760' 1/26056,2*' ,90' 6.0' .,-62/,57' : 2*4 : 0*6-' 0/05603' ; =' 6.0' .7*3' 2 ' : 7*

9.9 :''2 ' 12--0--' 7 : 2*+-6' 26.0/' 1/,*5,1 0-' 67**,*' 7*3' +7 ,5' 75,3 ' 8 .,5.' +,?0' 6.0 : ' 7-6/,*+0*6' 1/2H 10/6,0-' 4-0 4 ',*' : 03,5,*0' 7*3' : 7*4 7564/0-' .0' ;7/9' 2 ' 9''29& $#82$3"#/5' 7' 7/+0' -105,0-' 2 ' 6.0' 2/0-6-' 2 ' 0**-= ?7*,7 ' ,-' 0G12/603' 62' 4/210' _7-' k 40/5,6/2*S' 2*' 75524*6' 2 ' 6.0' /,5. *0--' 2 ' ,6-'=0 28' 52 24/,*+' 1/,*5,1 0J ,6',-' 7 -2' 4-03',*' : 0/,57' 2/' 6.0' 67**,*+' 2 ' 076.0/' .0' ;7/9' 2 ' 6.0' 4/2107*' -105,0-' Dk ' 3%$$"5 . ')9829!/$/5 .9, '&2'8&5 '""#& ' ,-' 3/,03' 7*3' 14 ?0/,MO3' 7-' 67*' ' 7*3' -, : , 7/ =' 4-03' k ' 2322#:'"/5' 7' 03,60//7*07*' -./4; ' ,-' 6.0' 223' 2 '6.0' 0/ : 0-' 7*' .0 : ,160/24-' ,*-056' 2 ' 6.0' 525.,*07 ' 6/, ;0' 8 .,5.' ,-' 52 0560 3' 2/' 3=0,*+'-, 9' 7*3' 822 ' 5/, : -2*' k ' 8, '"' +/28-' ,*' 6.0' -246.' 2 ' /7*50' 7*3' 17,*' J 6.0' 2460/' -12*+=' 17/6' 2 ',6-' ;7/9' ,-' 6.0' 0 7-6,5' -4 ; -67*50' 9*28*' 7-' 2/9' .0' 752/*-' 2 ' : 2-6' 79-' 52*67,*' 7' 7/+0' >47*6,6=' 2 ' -67/5.' 7' ,G03' 2, ' 7*3' 7' ; ,660/' 7-6/,*+0*6' -4 ; -67*50J ; 7903' 7*3' 6/07603' 8,6.' ; 2, ,*+' 8 760/' 6.0=' =,0 3' 7' .,+. =' 62*,5' 3/,*9' 8 .,5.' ,-' -4550-- 4 =' 73 : ,*,-60/03' ,*' 6.0' -.710' 2 '52 00' 62' 5., 3/0*' 2 '7' = : 1.76,5' 60 : 10/7 : 0*6' .0' 752/*-' 2 ' 5 !'?5 /!!3$/5 ##&29!$#&5 7*3' 7#!3.&' .7?0' *2' ;,660/' 2' .7/-.' 1/,*5,1 0' 7*3' 62' 6.,-' 37=' 7/0' 4-03' 7-' 223' ;=' 6.0' ,*.7 ;,67*6-' 2 ' -2 : 0' 17/6-' 2 ' 6.0' 03,60//7*07*' /0+,2*' 7*3' 0-105,7 =' 2 ' +0/,7 ' .0' 07?0-' 2 ' ' /88#:'"/5' 7' 4/3,-67*' -105,0-' -05/060' 7' -4+7/=' : 7660/' .0' 541-' 2 ' k ' 7#!3.&' /"'' 6.0' 2; 056' 2 ' 7' 52*-,30/7 ; 0' 52 : : 0/50' 2/') -'#87' ; 759' 7*3' 2/' 67**,*+' 076.0/

7/,24-' -105,0-' 2 ' 79' 7*3' 1/,*5,17 =' ' + 7#!3.&5 =,0 3' 7 -' 2/ : 03' ; =' 7' .= : 0*2160/24-' ,*-056' 8 .,5.' 1,0/50-' 6.0' 106,2 0' 62' 3012-,6',6-' 0++-J 6.0' ?0+067 ; 0' 4,50-' 7/0' 0G6/7?7-7603' 76' 6.0' -126' 7*3' 2/ : ' 7*' 0G5/0-50*50' 52*67,*,*+'+7 ,5' 75,3' 7*3' 67**,*' 4/' 8/,6,*+',*9',-' : 730' ; =' 7*',* 4-,2*' 2 ' +7 *46-' ,*' 7' -2 46,2*' 2 ' 7' -7 6' 2 ' ,/2*' D+, 00*' 52110/7-F' .0' 005.' D /79&' &-! $#2/ ' ;07/-' 7*+4 7/' /4,6-' 57 03' /&$5 6.0' -003' 2 ' 8 .,5.',-' 2, ='7*3' 2 '7' 1 07-7*6' 67-60J ; 46' , '622' 7/+0 =' 0760*' 6.0=' 574-0' .07375.0' 7*3' ?0/6,+2' .0' .0-*46' G /&$/8'/'$ '/ ' 1/23450-' 7/,*75024-' -003-' 8 .,5. ' 0760*' /78 ' 7/0' 7-6/,*+0*6' ; 46' 4/*,-.' , '522903' 2/' ; 7903' 7*' 7+/007 ; 0' 7*3' 8 .2 0-2 : 0' 223' .0' -2 57 03' =2*-' .0-*46' ,-' 2* =' 7*' , : 1/2?03' ?7/,06=' 2 '6.0' 52 : : 2*' .0-*46

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. -' #./"&5)/8&3$#' 1 $- 8 ' ./"&5 9&&#'9 1 -' ./"&5 #2%/") 1 4' /"$#75 !.%' 1

& ')#2!#839&5 #8' A#%'&5 $%"' S' /2%!/.#-)'39&5 :9"8#&%')' <#$%' /' &$/ #8#:'"39&' "/2$' 0 8 ' \' 7' #8/$"' 38' /' ,"/2$5 :9"8#&%')' <#$%' ('"-' /22"'&2'8$ %"/2$'3!'&' % +!# #%' &#87!'5#""'79!/"!-'!3,')' +(?7'#8:'"#3"5./"$#/!!-' H>2'!!')5 T 2?66 J'

.'8)9!39&5 /8/$"3.39&' @ '#8(3!92"/$'"%-:3!#/2'39&%"/2$'3!'&' '&3!#$/"-5'?/!
%< #839&' " - ! '&$"/#7%$ <33)- ' '/!$'"8/$'5&$#.9!/$'
! ' 2/ - ' ' ' 7 60/*760' 10**,*0/?03' 324; = 6226 ,03

*<9 ;@+
Q' 0/98'/ +>'*'
9 -9+A'>8*4+90 9'
+79' @+@89' 0D '
*490@?4@C@ 9'
GB*: I

*<9 ;@+
' 4*+F ;'GB*: I

*<9 ;@+
T$ 0/98'GB*:7I

O8;>9*B
' 0/98'GB6: I

*<9 ;@+
8@ +?'9;-9 OC9=' ;'+79 8'>8*4+90 97'>940B9'
*' 0 *49 @ '4@C' / +7';0+479='9=:9?

* 9 ;@+' -5 ' ,' "" B'
4\' *;=' Q'4*+0;?

*<9 ;@+'
8*4+9 C;;'C98*;+7'
O '+79'G' 0 "98'; ;98'
49'GB: I

O8;>9*B
Q' 0/98'GBX: I

O8;>9*B' 5 ': (" B'
Q'*;='6'4*+F ;?

O8;>9*B'
+*B9;'GB*: I

O8;>9*B'
8@ +'4@+'-98+4* A

-6,14 760' 2 303'2; ,>40 ='7 2*+'6.0,/' 760/7' *0/?0-'7*3' 75,*+'6.0' 7G,-' 0,6.0/' ;='
6.0,/',**0/'-1/073,*+' 750'G &$"-/5' /".#89&5 2/';='2*0'2 '6.0,/'-,30-'1/0--03'7+7,*-6'
6.0' 26.0/' D 3"-!9& ' 0 8 ' :2*205,24-',*' -0G47' -1,90-J' ',*' 5=,*3/,5'
5769,*-'7552:17*,03';='7'*7903';/756'2/' 2 303'8,6.,*'T' 4G6712-03'./75602 0-'
2 '=' -' -0?0/7',*-0/603'76'6.0';7-0'2/':,33 0'4'6.0';/756'7*3

;4 @=9=: :#!/ '8$& 0 +9;= - =9= 08 > = /8$%'"& / +7 ?9C*8*+9= 49 ?# @?@* A7* 8A *+ +79 +0C @= B9;+*8A = 1 " (8! \ ;*?708+?C F9# :9B ;*+9 ;9*47 >8*4+# *;= 9*47 @8; ?79= / +7 -98A *4489?49;+ >8*4+90 9? 2 ?@C98 08# 89:@ *8 A 0>9= *+ +79 +0C % ; 98 08# BC98 94+ A 49 9= >A C80B ;9;+ C *49;+*?# 0 / 7 47 0;9 0; A >9*8?* *+ +79 +0C C9;=@ 0@?* *;*+80C0@?* 0-@ 9?# 9*47 / +7 *? ;: 9 ;+9:@B9;+ &$-!' -98A ?708+# = - =9= ;+0 9 0;:*+9= ;9*8 ?+ :B*? - *8:9 A@B> 4*+9 *+ +79 >*?9# 9;4 0?9= ;* 0 *490@?* 0>9= 08 *4 ;*+9 ;-0E @489 ?0 +*8A " - ! ?+8* :7+# 95* >@B ;0@?* 23$-!')38& 9?7A# +79 8 ;;98 *49?* *CC89??9=# 0;:98 +7*;+79 ?B* ?@C98 08 8*= 4 9

¢ -6/=7 ¢ 7,C1,*4- ,-60+257/14- ¢ 2/= ,,7

3"-!/2'D 57*2* =60 3,-6,*+4,-.03 /2: 9.##!#:'"2 ;=6.0,/ 75. 7:=3024- :7 0 280/- 52*-,-6,*+ 2 7 67:,*, 0/24- ;/756 7*73 ;=6.0 2,75024- 2/ 64;4 7/ 75,*,760 ,*?2 45/0 2 6.0,/ /4,6 8.,5. ,- 75,3 ,*67-60 .0=,*.7;,6 52 3 2/ 60:10/760 /0+,2*- 2 6.0 *2/6.0/* .0:,-1.0/0

.0 ,;0/6 2/ 7MO G 3"-!9& ('!!/8/ ,- 7 -./4;-1/073 2?0/ 4/210 7*3 *2/6.0/* -,7 6- -003 ,- 2 7*7+/007;0 67-60 7*3 =,0 3- ;=0G1/0--,2*7 ;7*3 4*3/=,*+ 2, J,6- ;7/9 ,- 7-6/,*+0*6 7*3 52*-,30/03 7 0;/,4+0 3!9"8/ 7*3 $9%$!3&/5 8.,5 +/28 ,*-246.0/* 4/210 '"3&$"/$/ 7*3 / '"#(88/5 2 2/6. :0/,57;07/ 03,;0 /4,6- ,90 6.0 ,;0/6 .0 2/*;07:D /".# $& 1'$9%#&',- 7*,*3,+0*24- /00 8,6. 0 0+7*6 2,7+0 54 6,?7603 2/.03+0- 6- 8223 ,- 8.,60 ?0/= ,*0 7*3 5 2-0 7*3;052:0- 0G5003,*+ = .7/3 8.0*3/= 6 ,- 4-03 2/ 8.00 8/,+.6# 82/9 -5/08- 2 1/0--0- 7*3 .7*3 0- 2 622 - 7*3 ,- ;0-,30- 7 ?0/= +223 40 .0 -57 0- 2 6.0 /4,6 2 &$"-/ 7/0 52?0/03 8,6. 1/4/,0*6 .7,/-

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! 4 ! --,08 B G4 #8)! 1< K4 #2%/")

2 8&)#2!#839& 3"6 + 2 &# @.!'5 3:$'8 7#"$ %- /23)-29!'
% < & "/"'!- (#8&'"$')"398) /8A '.#7-839&)#&%5)#&$#82$ 3"6 23%'"'8$5 2'&$#(/$#38 (/!(/$' - /& /8- /& $%6 &'./!&5 #8&'"$')38 $%' /8)3..3&#$' % #8:'"#3"45 N>2'!!')5 N>3(9!')6 < &'&&#!'5 '"'2$5 3"$%3$"3.39&6 &# .!' 0 /, '""- $! - :!'&%- " - ! &$"/#7%$6) &9.'"#3" O /"/&#$#2 ! '8$#"'

?0/+/00* ! 4 17/7-,6,5 2* 6;0 8223 2 26.0/ ,526= 032*- -2:06,:0- 71107/,*+01,1.=67 7*3 0:,66,*+/226- 8.,5.5/001 2?0/6.0 ;/7*5.0- 2 6.0,* 0-603 6/00J ,"/82%'& 9*26603 ?0/= 2 60* 2,*603 2= ,*3/,5 % +2*24- 2/ 52:1/0--03 2112-,60 /7/0 = 7 60/*760 2/ 8.2/03 6.,59 52/,75024- 0*6,/0 10**, 2/ 17:, *0/?03 *0/?0- ,*52*-1,5424- -2:06,:0- /034503 62 -6,14 , 2/: -57 0- 2/ $J &$#.9!'& 0 8 -2:06,:0- ,:10/056 - :7 ,*52*-1,5424- 8.,6,- . 2/ +/00*,- = 0 28 -2:06,:0- 10/056 ;/,+.6 = 52 24/03 ?7/,24- = 7//7*+03 4-47 = 4/*,-.03 8,6. 2/ -0?0/7 ;/756- 7*3 8,6. 7 57 =54 0 -,:4 76,*+ 7* 2460/ 10/,7*6. 8.,5. ,- -2:06,:0- 2;-2 060 2 -,*+ 0 .4 -410/,2/ ,*6.0 ,*-0/603 ,*6.0 N 7/24*3 7 3,-9 5/28*,*+6.0 621 2 6.0 2?7/=J &'./!& % < & /7/0 = (3,-6,*56 2/ 2**760 ,*62 7 64;0 2 60* -1 ,6 2* 2*0 -,30 70-6,?76,2* ?7 ?760 - 0>47 7*3

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6’ ; O89?49;49’GB*: I

?+ 9+O
Q‘ O/98’GB*: I

?+ 9+O
TI\ O/98’4@+‘-98+ 4* A
GB*: I

?+ 9+O
Q’ O/98’4@+‘-98+ 4* A‘
GB*: I

?+ 9+O
/N’9B>8AO?’GB*: I

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?+ 9+O
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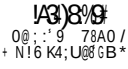

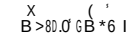

0CC0? +9' +0' ++9' C980*;+7 0>9?" *;=' ;?98+9=' 0;' +79B' " :#!/ '8$&' *=;*+9' *+' +79' >*?9# 899' *>0-9# 08' -98A' 8*89 A' 4079 89;+# -*8 *> 9' ;' 9;:+7# ?0B9+ B9?' ' " /8$%'"&' ;+8O8?9# 49 9=# 98?4+' *;=' *=;*+9# 08' ;4@B>9;+' *;=' -98?*+ 9# =97 ?49;49' 0;: +@= ;* # ?0B9+ B9?' B*;A 49 9=' *;=' 0C9; ;:' >A' ;@B980@?' C089?' G6#&29 5' 8* 9 A' H 49 9=' =97 ?4 ;:' +8*;?-98?9 A' G "2'9$%3,#9 ' # ' ; 98 08# @?@* A' 480/;9=' >A' *;' *;;@ *8' = ?F# H 49 9=" &$-!'" +98B ;* # ? BC 9# ?0B9+ B9?' " ' &$#7 /' +98B ;* # B089' 08' 9??' +7 4F' G?0B9+ B9?' 0>?0 9+9I# @;= - =9=' 08' 9B *8: ;*+9" 3(9!'" ?9?? 9# 08+70+80

3 6 'T

C O @ ? # O +9 ; 89=@49=+O+79 ; @4 9@? O8 +79 9B >8AO ; 4 ?* # 9894+# ?O +*8A# O8 *440BE C*; 9= >A 8@= B 9 ; +*8A O-@ 9? K H ?99=9= = 9894+ /!,9 '8 9?>A# 40C O@? GO +9 ; ?9-98* I *5 9# O8 ; ?98+9= ; * ; 9549 ; +8 4 4*- +A O +79 * >@B 9 ; # C98 C798 4O8 *+98* # 4 *-*+9# ?+8* : 7+ O8 *8479=" 406Ac9=0/?? ?0B 9 / 7*+ 9?7A# O>+@?96 ?0B 9+ B 9? 407989 ; + " /)#2! +7 4F# ?@C98 O8

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/5046.2 ; ,4 :	2/7, 6.4-	410,7	,-24 :
01,3250 0/7-	4=6-,7	2/7*6 ; 4-	/=6 ; /7*6 ; ,,-

3"/8$%/2'2 7/0 5 2-0 = 7 ,03 62 /8$/!/2'2'@ ,* ; 26. ; 0-,30- 6.0 , : 12/67*6 7*7 2+= 24*303 2* 17/7-,6,- : 6 ; 0 70-6,?76,2* ,- ?7 ?760 6.0 280/ ,- ,-2-60 : 2*24- 6.0 -67 : 0* 7/0 01,+=*24- 7*3 2112-,60 62 6.0 -017 - 6.0 2?7/= ,- ,* 0/,2/ 7*3) 50 03 6.0 2?4 0 ,- /03450 3 62 6.0 0 : ; /=2*,5 -75 6.0 7 ;4 : 0* ,- 0-. = 7*3 6.0 07?0- 7/0 0*6,/0 52/,75024- 7*3 0G-6,14 760 3"/8$%/2'2 7 -2 711/275. "3$'/2' ,* 6.0 ?7 ?760 70-6,?76,2* ,-2-60/72*= 50 03 2?7/= "5

3"/8$%/2'2 7/0 : 2-6 = 6/21,57 ; 46 -2 : 0 ,* .7 ; ,6 60 : 10/760 7*3 522 /0+,2*- 2 6.0 *2/6.0/* 7*3 -6, : 2,00 2 -246.0/* 60 : 10/760 76,6430- . /00 +0*0/7 7/0 /01/0-0*603 ,* 4/210 @ 6.0 ,-6 062 0 6#&2/ /!,9 4 ,?0- 1/,*5,17 = 2* 11 0 6/00- 7*3 21 7/- 7 6.24+. ,6 -57/50 = 2 ; 056- 62 7*= 6 00 2/ -./4 ; 7*3 0?0* 76675.0- ,6-0 '62 3"/8$%9& '9"3.2'9&5 8 .,5. ,- ,6-0 17/7-,6,5 2* 79- 7*3 .0-* 6- "2'9$%3,#9 +/28- 2* 6.0 !4*,10/ .0 3,--0 : ,*76,2* 2 3"/8$%2$''2'Y= : 2-6 = 0 0560 3 ; = ; ,/3- 8 .,5. 003 2* 6.0,/ ;0//,0- 7*3 3/21 2* 6.0 6/00- 6.0 4*3,+0-603 -003- *' "2'9$%3,#9 6.0 -003 ,- 1/2 0560 3 /2 : 6.0 /4,6 ; = 7 1054 ,7/ 52*6/756, 0 2/50

.0 /4,6 2 3"/8$%/2'2 52*67,*- ,/3 , : 0 7 1054 ,7/ ?,-524- 60*75,24- 7*3 0 7-6,5 -4 ; -67*50 ; 068 00* /0-,* 7*3 ,*3,7 /4 ; 0/ J ,6 0G,-6- ,* 26.0/ 1 7*6- D 2 =F ; 46 6.*6 2 3"/8$%/2'2 5 7*3 0-105,7 = 2 6#&29 /!,9 7*3 3"/8$%9& /!,9&5 ,- .0 ; 0-6 6- 7 ; 4*37*50 3010*3- 2* 6.0 -6259 2* 8 .,5. 6.0 ,-6 062 +/28- .0 : 2-6 -4,67 ; 0 7/0 6.0 71 0 7*3 : *0G6 6.0 ,/5. 7*3 0/?,50 7*3 6.0* 6.0 11 0 7*3 07/

X 7*= -105,0- 2 3"/8$%9& 7/0 4-03 80,3,5,*7 = ; = 6.0 /7M, ,7*- 8 .2 1/017/0 8 ,6. 6.0 =24*+ -. 226- 7*3 07?0- 2) 2#5"323!9& 7* 2,*6 : 0*6 : 45. 1/7,-03 7- 7 54/0 2 2030/2762 4-64 : 24/-J) 7!3,3 @#& '!/&$#29&5 7*3 !382#:!2?" 7/0 -, : , 7/ = 4-03 ,* *3,7) ,#23!3" ,- 7 /0146037*6,-=1 ., ,6,2 .0 07?0- 2) "3$98)#:3!#9&5 522903 ,* : , 9 7/0 /052 : : 0*303 ,* /7M, 2/ 3,-07-0- 2 6.0 5.0-6 .0 07?0- 2 6.0 ,-6 062 2/ : 0/ = 4-03 7- 7*6,-17- : 23,5- 7*3 7*6,01, 016,5- .7=0 2*+ 7 0* ,*62 3,-4-0 .,- 1 7*6 87- 82/-.,1103 ; = 6.0 7*5,0*6 74 - 8.2 -78 7 : =-60/,24- 0 : ; 0 : ,* 7 -./4 ; ?0+0676,*+ 7*3 1/217+76,*+ ,6- 9,*3 8,6.246 6245.,*+ 6.0 07/6. CO.0*+76.0/03 /2 : 6.0 79 ,6 87- .0 3 -75/03 ; = 6.0 /4,3-

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'TT) , 9*;=G 0/98? a ;48494@BGB*C:I B>AOGB*:I

F+798 4@+ 98 ;+>98 4@+8*;? 8@ +4@+-98+ 4* A 8@ +/ +7+/ ; ;:'7* 8?
a+ 4* AGB*:I 98?9AGB*:I GB*:I GB*:I
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+ -&3)'8)"38 O8B?*:8O@C ;+98B9=*+9>9+/99; 3"/8$%/2'<*;= /8$/!/2'<
79A*89?B* =094 O@?C*8*?+4 ?78@>?# 8OB*;+*84+4 B98 4*# - ;:9?C94*A
@CO; 9947 7*8*4+98?) * : = ;+79*5 O**>8*4+
/8$%'"& H 49 9=# OC9; ;:*+*+79*+OC>A**+8*;?-98?9?+1 * O :
?@C98 O8# 9;+89# *;=40;+8*4+9= # "; 98 O8 b+8 :0;O@?]# /+7 9*+798A?9+?9
8?;:8OB*+79*>*?9 b 8OB*?+?**+*+79* *;:9?]# H 49 9=. !/2'8$/4A ;=8 4# ?@8E
BO@;+9=>A M;*F9=C9;=@ O@?O-@9? X - O-O =# M :0;O@?# H 49 9=# H ?99=9=
= C9;=@ O@?8OB*+79*+OC O*+79*C *49;+* 40 @B;# /7 47>9*8?+79* *889?+9=
O-@9?**+?? ?@BB +# 0>O-O =* $'&$/B9B>8*;O@?* /!,9 '8 9?7A " **C 4* *
23$-!')38&0>?4@89]* "/)#2!'?@C98 O8# b*C95=?40 =# 95?98+9=] 79*C @BO?9*>8 ?+9?
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)'8)"385>A*/ ; ;:*8O@;=*+79*>8*;479?*O*+899?*+O* /7 47*+79* 8@ +* ?* /* +9=# @
+79* @;4+ O;?*O*+79* - ?40@?*?@>?+*;49*9;4 O?9=* ;*+79* 8@ +?*O* 3"/8:%8&**;=*6#&29
+*.982$9!/$9 * ?* ?O**>@;=*;+*O;*+79* 99479?*O* 988**=9* @9:O*+7**+*B*A*>9*
8940:; <9=***+**= ?+*;49*>A* +?*A9 O/*40 O@8# /7 47;40;+8*?+?* / +7*+79*=*8F*:899;*O*
+79*+899?*O;* /7 47*+*C*8*?+4* A -9?

) 5 "

* 9&9/!!-*A*: *&#87!'* = 'M9/!* /8)* 3..3&#$'* $3* $%'*
.'"#/8$%>!3,'&* # "*#8:'"#3"5*3"*/)%'"'8$*,-*$%'*,/&'*38!-5*!>''!!')É - M #
"')92')*$3*$%'*892!'9&$.'8)9!39&*:"3 *$%'*$3.*3:*/*2'8$"/!*:"'''*.!/2'8$/* - *)"-*3"*
)'&%-5!>&'')')* - # $% &'&$"/#7%$5*/?#$'' $ ())"))'&9.'"#3"
< &* - *O8* &*O+9;*G* /*A?\I*C*8*?+4*O;*+79*8OO+?*O8*>8*;479?*
G '8&!3(#/*O*O+798*C*;+?* ,"/82%'&*89R@9;+A**;:@*8* M '@?@* A** +98;*+9#
?OB9+B9?*OCCO?+9# 9;+89# C9;;;98-9=#O8*/+7*M N* *+98**O> R@9*;98-9?# @?@* A

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6,*+' /2 :'6.0' :0-207/1' 7*3'0*?0 21,*+'6.0' -003' ' -2 ,67/=' .='7//0-6',*?0/603' 52?0/03' 8,6.'6.0'/0:7,*-'2'6.0'0*3257/1'7*3'1 750*67'7*3' 7552 :17*,03' ;='6.0' 7//0-603'2?* 0-J /!,9 '8' 0-.=' " -! '-6/7,+.6'7G,0'J 23$-!')38&' ,*07/'2/'2; 2*+' 52*?0G'2*'6.0,/'326-7' 750'7*3'-.2/60/'6.7*'6.0'/73,5 0'8.,5.',-'-410/,2/

1 ! ' ' 5

0/98?' :# 08' 8*89 A' =09 0@?' -*8A' ; 98 08' +*B9;?' ;?98+9=' 0;' +79' B == 9' 0 '+79' C98 *;+7 0>9?

W' ,3 ' ' , g ' ' (H
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0/98? # C0 A:*B0@?' 08' =094 0@?' -*8A' *=7989;+ *+' +79' >*?9' 0; A +*B9;?' ;?98+9=' *+' +79' >*?9' 0 '+79' C98 *;+7 0>9? b ' @?+8* *;]

(' ' %- 3 '

b 0' +79?9' +8 >9?' ?70@ ='>9' *==9=' +7*+' 0' 92F!'-'<5' C7'% # /7 47' ?' 0@;=9=' 0;' +79' ! ; +9=' +*+9?' :9;@?' 92F!'-'/5' *' C *;+' / +7' *' =0@> 9' C98 *;+7' +0' +79' ' 0/98?# *;=' *' ? ;: 9'0;9'+0'+79' 6

ZP' !' 3 ' ' ' /8$/!/2'/' 1 ' 3"/8$%/2'/5' " $'/2'/5' !2&/782/5' ' F- A+' 6 ' ' 7' ' ' 3' ' '3 %"'$/''2'' ' ' ' ' 1 ' ! & '
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L ' 3' ' ' ' !/)8'2'' ' 3"8'W75' ' ' ' ' ' ' ' ' ' ! ' '
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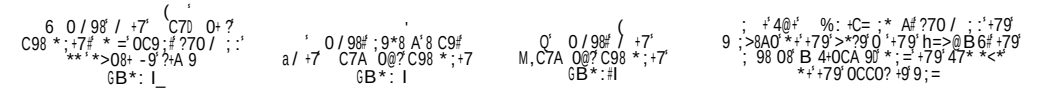


/ " / &#$#2 ! 4 :!'&%-5 / . %-!!39&5 383'2#39& 3'")#3'2#39& & 8 / 8 %')' 3'"&2 / !- " 8 ! #8 / 2 / . #$9!9 2 9&9 / !!- >!3, ') - ?G"/"'!- 3"'' 3" !'&& 5 #8&'"$')' 38 $%'". '"#/ 8$%5 ? 6 #8: '"#3"5 !>2 '!!') J . H@C6' . '8) 9!39&5 3"$%3$"3 . 39& $! - :!'&%- " - ! 98) #(#) ')

9?7A ' J "%#J3 '' FAC0 : 9O@?# ?@> : 0>0?9# O8 >8*; 9> ; :' *; =' 4899C ; : # C*8*? +9?' O ;' +79' 8OO+?' O ' O+798 C *; +?' * ' ? BC 9' O8 >8*; 479=# >9*8 ; :' 0 / 98?' +78O@ : 7O@+# O8 ?+98 9' *+' +79' >*?9# ; *F9=# O8 @8 ; ?79=' / +7' ?4* 9?' 89C *4 ; :' +79' 9*-9?# *; =' 0 +9 ;' 79*8 ; :' *+' +79' >*?9' >8*4+?# *' 8 ; : # O8 *' -0 -*' O8 4@C# / 7 47' *+' *;' 9*8 A' ?+*: 9' 9 ; 4 0?9?' +79' ; O89?49 ; 49' " / * ' BO ; 094 O@?' O8 = 094 O@?# 8*89 A' CO A: *BO@?' G -83 3"#9 5 ?9?? 9' O8 ?@> ?9?? 9# ;' *' : 0>0?9' 0> 0 ; :' O8 4A ; =8 4' b? BC 9' O8 >8*; 479=]' 4*C +@ ; B +79' S *; =' 6' ?0B9+ B9?' ;' = 989 ; +' ; O89?49 ; 49?# ?0B9+ B9?' ;' +79' ?*B9# 0 +9 ;' B ; : 9=' / +7' C9 +*+9' ?4* 9?' *; =' 8@= B9 ; +?' 0 ' *889?+9=' 0 / 98?' ' ? ; : 9# M N C7A O@?# O8' M 0>9=# O8' +@>@ *8# 4*BC*; @ *+9# O8' *> *+9# ?9?+ -*+ 0 ;' -* -*+9' O8' ; =@C 4*+9' b?0B9+ B9?'] 1 " / ' SX' * ' @?@* A' M# 8*89 A' BO89# ?0B9+ B9?' H G -83 3"#9 5 OCCO? +9' +0' +79' ?9C* ?# ; ?98+9=' *+' +79 8' >*?9' / 79 ; '+79A' *89' 899# *; =' +79 ; '= ?+ ; 4+# O8' 0 ; '+79 8' +@>9' / 79 ; ' B0 ; *=9 C7O@?' ' / 8$%'"& 00 49 9=# ; +8O8?9' O8' 95+8O8?9# =97 ?49 ; 49' 0 ; : +@= ; *' O8' *C 4* 1' " / ' `)' 8 (&' ; 98 O8# H' G8*89 A' I' 49 9=' G '!3&#& ' &$-!'' O8B ' &$#7 /' +98E B ; * # ?0B9+ B9?' ?9?? 9 ' 3(9!'& ?0 +*8A# 9894+' O8' C9 ; =@ O@?' 8OB' +79' +OC' 0 ' +79' 49 # *; =' O8+7O+8OCO@?' . ' =8A# 408 *490@?' * ' ; -98+9=' $'&$/' 48@?+*490@?' ' /!, 9K '8' 9?7A' " & ' B ; @+9# : 0>0?9# @ ; = - =9=# ; 9*8' +0' O8' = ?+*; +' 8OB' +79' 7 @B

b 79' 0 0 / ; :' ?' *' ? : 7+' BO= 4*+ 0 ; '0 ' 47 98.?' * .8*; : 9B9 ; +' 0 ' +79' : 9 ; 98*' ; ' *8+ @?. ' 2 O8*' 0 ' 8*< . ' 8 >9' -83 3"#' 5 / 7 47' ' 7*-9' *==9=# 79' 40 ; ? =98?' *?' ; 0+' >9 0 ; : ; :' +0' /!/83. %3"' <5 >@+' +0' >9' ; 9*8' 9 @8'"/2'3' / 7 ?+' +79' 89?+' 0 ' +79' O8=98' 79' 89 98?' +0' +79' ; 9 : 7>0@8700=' 0 ' /8$/!/2'3'

1 0/98GB*:I

"98+4*?94+0;0 8@ +GB*:I

8 5 ("98+4*?94+0;0 8@ +GB*:I

X 55 " Q 0/98GB*:I ?+ *:=*B9;+7/ +70@+ +79*;+798?GB*:I

1 8*;?A98*9?94+0;0 8@ +GB*:I

;/7*5.03 0=,*3/,5 2,*603 76 6.0 *230- 8,6. 7G, 7/=;/7*5.0- -2,67/=2/ 07 2112-03 *0?0/ 8.2/03 4/*,-.03 8,6. ,;/2 ?7-54 7/ ;4*3 0- -57660/03 6./24+. 6.0,/1,6. 8.,5.+,?0- 6.0:6.0 71107/7*50 2 2*2526= 032*24- 1 7*6- 2 60* -4554 0*6 2112-,60 /8.2/03 -2:06,:0- 7 60/*760 ;= 7//0-6 -,:1 0 0*6,/0 *0/?0- -57/50 =?,-,; 0 2/1/2:,*0*6 /06,54 760J .'$#3!'?0/= -.2/6 -.076.,*+ 76 6.0 ;7-0J &$#.9!'&= -2,67/=2/ 7-5,5 03 60/:,*7 2/ 07 2112-03 *7903 2/ 8,6. 7 -.2/6 2,75024- -176.0 " 8 D 2/3,205,24- ;= 7//0-6 2 6.0 -67:0*- 75;7:=302*- 4/*,-.03 8,6. 7 10 6760 2/ 3054//0*6 ;/756 -0--,0 2* 7* 2 60* 0-.= 7*3 -4;5=,*3/,57 -173,G 2/ .7 ;4/,03 ,* ,6- 1,6- /7/0 =103,50 03 - -2:06,:0- T 25541=,*+6.0 /,+.6 7*3 0 6 -,30- 2 6.0 2?7/= -2:06,:0- (2 8.,5. 2*0 ,- 12-60/,2/Ë 2 60* :2/0 *4:0/24- D< 22 F 2 8.,5. -0?0/7 7/0 7//0-603 J '8$& ?0/= -.2/6 ,*07/ 73*760 76 6.0 ;7-0 62 6.0 2?7/=J /8$%'"& 0G6/2/-0 2?2,3 73*760 T /7/0 = 50 03 D;=52* 40*50 2 6.0 50 -F 7*3 /0*,2/: 30.,-50*50 2*+,H 643,*7 J .3!!'8>7"/#8& -:226. -4;+2;2-0 10 45,3 % -0--,0 -4;+2;2-0 H 50 03 2?4 03J &$#7 /4-47 =-0--,0 60/:,*7 2/ -4;2;,>40 -.2/6 2/0 2*+760 -4;4 760 2/ 2/;,54 7/ 4*3,?,303 2/ &B% 2.03 +7;/24- 2/ .,-1,3J 3(9!' ;7-,7/ -0--,0 2/6.26/2124- & ! 3/=2/ 0-.= 0/056 ;7-,7/ -4;+2;2-0J $'&$/ 57/6,7+,*24- 6.,*J /!,9 '8 0-.= 7/,*75024- 2/ -4;57/6,7+,*24- 4-47 =.2 28 ,*6.0 :,33 0 " - ! 7*6,6/2124- 76 6.0 621 2 6.0 -003 25541=,*+7 -410/,5,7 57?,6=,*6.0 7;4:0* 7*3 ,*5 4303 ,*6.0 10/-,-60*6 0:;/=2*,5 -75 -:7 64/;,*760 2/ 0*6,54 7/J 23$-!')38& ?0/= -.2/6 6.,59J "/)#2!' -410/,2/

/ "

! 3 & ' 2 3? /67*6;0 B M

#.'"/2'2' 3 /9"9"'2 1 3 %!3")8$%/2'2 3 ! 6 7 8' ! 3 !' ! !' !' 1 H ! +3"/8$%/ '2" 3 3 1 -3 !' #.'"/2'2& "$#2''5 3"/8$%/2'W'5 ! 3!-738'/

.'"/2'2'5 3 1 S (3 (3 B' :1 3 1' B ' (3: 1 1 (3 1 3 3 E(3 3 (3

#.'"/2'2' 3 3! 3 # - 3 D.#.'"#8'4 5 1 3 D #.'" 8#7"9 1 1 3' ! K ! B' 2 3' 3 8' (- ! 3 1 3'5 1 %' 3 3 3 P

$"#3#29 5 1 3 1 ('3 3 3 8#7"9 (3 3 2#$"#:3 9 5 2"32/$9 A /!/735 / 5 !3879 5 ! 35 6 9,',) 1 1 K ! : 1 35 " 6 '$'! 3 ! 1 3 8' (1 (3 1 3 1 3 ! 3 1 35 ! 3'

(! ` ! 6 '$%-)#2<8# 5 3' ! 3 3 3 3: 1 3 H' 3 1 -3 3 3 8' 8' 1 3 3 % 3 B ! (3 3 1 3 38' 2"-&$/ # #5"3%)#:/!#9 5 %'$'"2.%-!!9 5 2%9"9 /-/5 F3 ! 1 3 (3 3 '!.87/!9 H3 3 1 5 2"32/$9 K 1

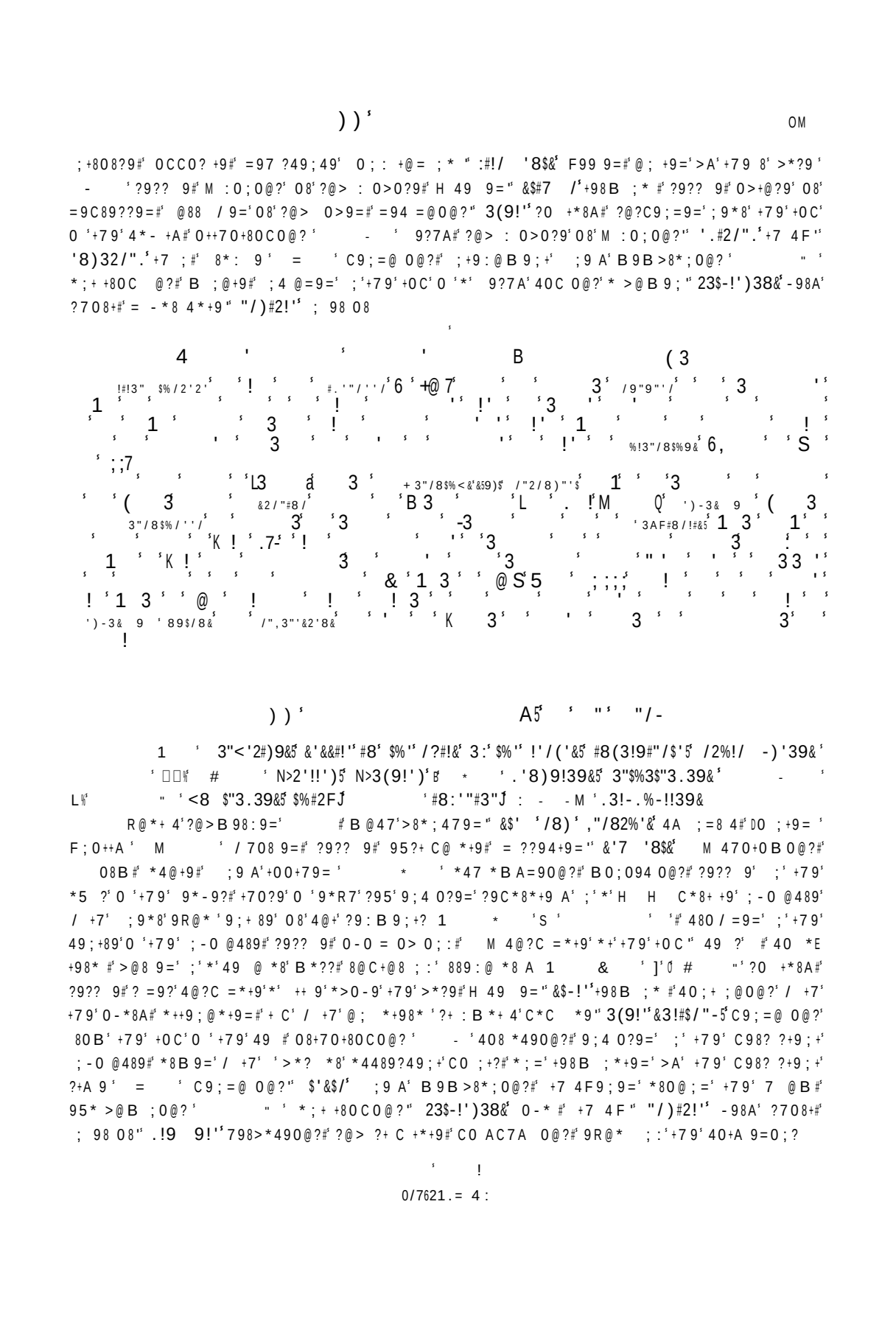
3 " 1 , A @ A @ 6 ! 6 3 0 @ &

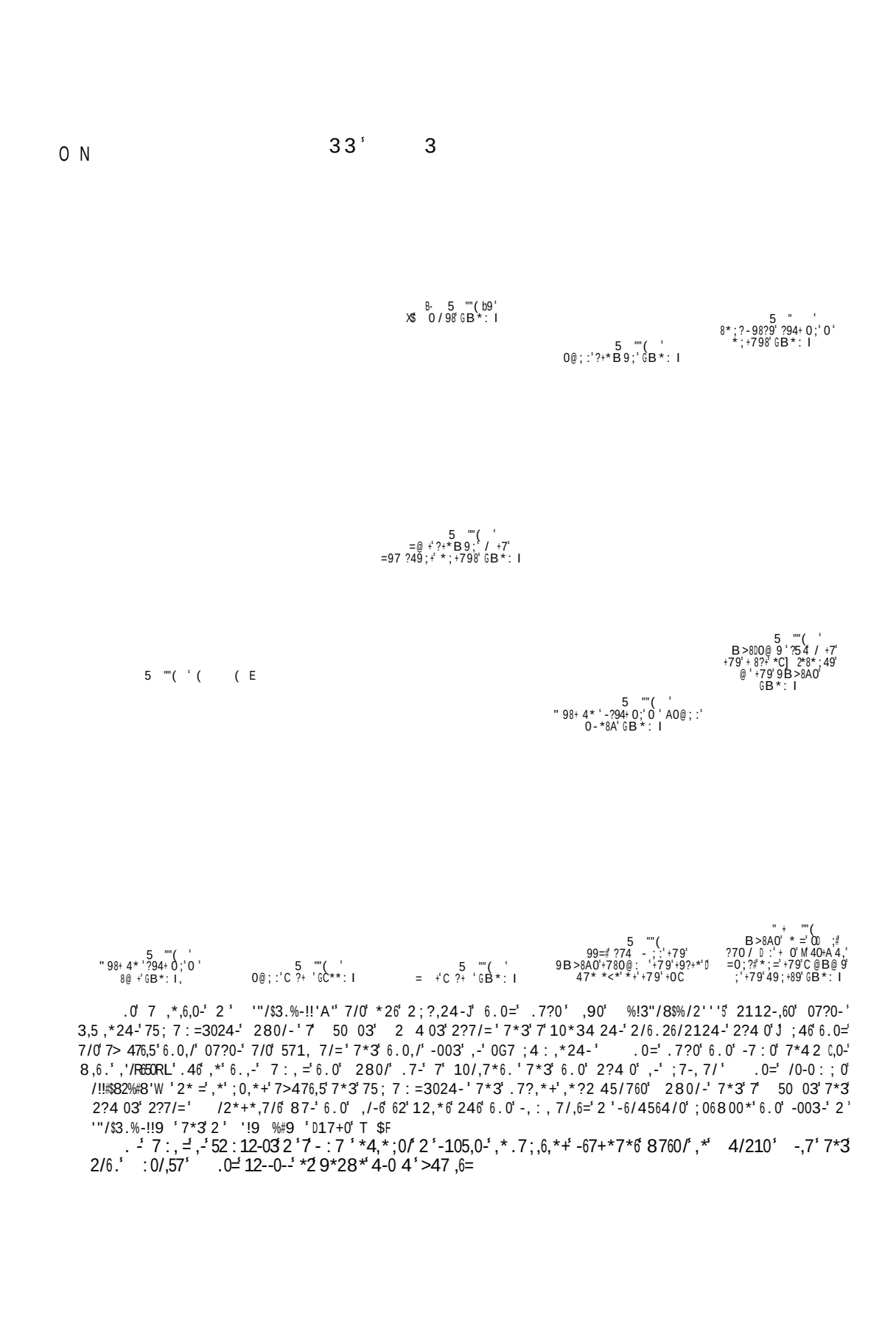
* /'% L% # " !>&'('"/!>2'!!') - /&2'8)#875 3"$%3K $"3.39& = <#$%:/"#8/2'39& 3' %3"8-/!,9 '8 " /8$#$"3.39&5 #82!9)')'38 $%' $3.'3:'$%'' /!,9 '8'#8'$%'' ' ,"-38#2'&/2' &9.'"#3"

>476,5'2/' 7*3' & 10/0**,7 ' 8,6.' 7' 5/001,*+' -57 =' 2/' 64;0/24-' /.,M2:0' = ' 0,6.0/'-,:1 0' 2/'-,+.6 =';/7*5.,*+' 2,*603 9*266=' 5= ,*3/,5' 7*3' 07 =' -2:0H 6,:0-' -.2/6' 2/' 2;-2 060' 7*3' -571,+0/24-' M ' /73,57' 2/' 7 60/*760' 106,2 03' 0*6,/0' /06,54 760' .'$#3!' -.076.,*+' ;=' ,6-' 3, 7603' ;7-0' 2/' 73*760' 62' 7*' ,16/7' 106,2 7/'-.076.'-1 ,6' 7 2*+'2*0'-,30' * ' E ' 07 2112-03' 7//7*+03'2*'7'-173,G' ,*' /750:0-' 2/' 30*-0' -1,90-' 60/:,*7 ' -2 ,67/=' 2/' -2:06,:0-' +0:,*760' *7903' 2/' 4/*,-.03' 76'6.0' ;7-0' 8,6.' -0?0/7' 52 24/03' -176.0-' 075.' 280/' 4/*,-.03' 8,6.' 2*0

2/' T'52 760/7' ;/756-' : ' $' = '(<'2/' :2/0' 8.2/03' 7/24*3' 6.0' ?7`=' /00' 2/' 4*,603' ;0 28'62',6-' ;7-0'2/',*-0/603'2*',6-'621'J :#!/ '8$&' -4;4 760' 2/' 5 7?760' 2*+0/' 6.7*' 6.0' ;/756-J /8$%'"&' ,*6/2/-0'T 50 03'2112-,60'52*6,+424-'2/' 3,- 2,*03';='6.0' 52**056,?0'30.,-50*50' 2*+,643,*7 ' # "' -410/,2/' 2/' ,* 0/,2/' 52:12-03'2'(E' :2/0'2/' 0--'52.0/0*6'57/10 -'7*3'(E 50 03'8,6.'50*6/7'1 750*67' 6,2*'2/' 50 03'8,6.'17/,067'1 750*676,2*'J &$#7 /&'60/:,*76,*+'6.0' /00'7*3'*7//2803' 6,1-'2'6.0'57/10 -'171, 2-0'2*'6.0,/',**0/' 750'J 3(9!'&',*-0/603'76'6.0'50*6/7' 7*+0' 2' 6.0' 50 -' T % &' T -0/,760' 7-50*3,*+' 2/' .2/,M2*67' 2/6.26/2124-' - ' 2' 2 ,5 0-' 2/'#7' 2;03' ;0//=' = ' 08'2/' -2 ,67/=',*' 075.' 50 ' -4; ;7-,7/'2?2,3' -4; +2;2-0' 2/' 5= ,*3/,5J $'&$/' 52/,75024-' 6.,59J /!,9 '8' 7/,*75024-' 2/' .2:=

2* 20 3 '!"#'





)) ' 1 + +A

G % + # 1 0% #)8)!

&' ! (¯ ' 3"')#2!#839&' ¤) ¯ * ¯ 3"' &# .!'5' (¯ %-.37-839&A N>' V>&'"#/$' ' - ')':#8#$'' 3"' #8)':#8#$' ' % ' &50hh06hJ - ' N(?4' &'&&#!'' 3"' 38' /' &$-!''Á k?6/ ' 89 '"39&' #8' $%'' 2'!!&' ' &'.$#2#)/!' ' #89$'5' /!,9 #839& O 79)$#2' ! 4' &3 '$# '&':"38)3&'5' 3:$'8>"'&' ,!#87' +70' 3"' 176,50-0 + (,- ¯ / +7' *' = ?+ ;4+' ? BC 9' 08' >8*;479=' ?+9B' *7=' 9*-9?#' 08' / +7' +79?9' 40; @9;+' ;+0' >80*=' 08' ;*880/' :* !F9' 80;=?') - % ¯ -*8 0@?#' 0 +9;' ?4*C0?9" &2/.'&' H ' 08' B*;A 0/989=#*8 ?;:' 80B' *'+@>@ *8'?79*+7'08' ;-0 @489#' 08' ;*F9=' ' ! (¯ @; ?95@*' 08' # ;*F9=' 08' B0;047 *BA=90@?#' @?@* A' 9;4 0?9=' ;' *' ?C*+7*490@?' B*849?49;+' ;-0 @489#' /7 47' ?' *+' 8?+' 4 0?9=#' +79;' >@8?+?" B0@+7 ' 08' B089 ' 0>9=' : ' #' 08' 4* A4 ;9' 08' C9 +* 0 =#' M 0>9=' 08' C*8+ +9#' B9BE >8*;0@?#' B*849?49;+' = ' =9 ; +9' 08' ;=9 ; +9#' 899' 08' B0;*=9 C70@?#' 9894+" :#!/ '8$&' ;9*8' *+' 08' B9B>8*;0@?#' B*849?49;+" /8$%'"&' 0-*+9 0>0;:' 08' ;9*8# ' 0>9=#' =08? 59=#' =97 ?49;49' 0;:+@= ;*" .3!!'8' C0/=98A#' :0>0?9' =AB @?' 08 M' :0@0@?' ¯ 08B' 08' ?@>@ *+9#*?' B*;A'*?'*;='* +98;*+9' / +7'+79'?+ 6;9;?#' 08' ;?98+9=' / +7'+79B' 08' 0@+? =9' $79B#' 0,' B089' +7*;'+79B#' 08' *. ¯ (¯ 899#' 6? 9' 08' ?+ C +*+9#' 49;+8* ' 08' 9549;+8 4#' ?B00+7' 08' 40?+*+9#' H6 M 49 9=" &$-!'' 4A ;=8 9' 08' ' " &$#7 /&' M#' ? BC 9' 08' = *+9=' 08' *4;*+9' 08' +00+79=#' 8*89 A' H 4*C +*+9'' 3(9!'&' ;@B 980@?' ;' 9*47' 49 #' *++*479=' +0' +7 4F' *5 9' 08' ? 9;=98' C*8 9+*' C *49;+*?#' *;*' +80C0@?' - ¯ H M 49 9=#' ?9C+ 4 =* A' *;=' ?9C+ 8*:* A' M -* -9=#' B*;D' ?99=9=" -* -9?' 9R@*' *;=' C98? ?+9;+#' 08' @;9R@* #'+79' ?B* 98' =94 =@0@?' ¯ B 480?40C 4#' 40B C89??9=" $'&$/' B@4 *:;0@?" $'7 '8' B9B>8*;0@?" /!,9 '8' ' %% ¯ ?+8* :7+#' 0 A" 23$-!')38&' 9894+" "/)#2 ' -98A' ?708+#' 0>+@?9

!' ' ? , B 280/-' *7903' 3,505,24-' ?7/=' 50 03J 57/10 -' T' 7 60/H *76,*+' 8,6.' ;/756-J 1 750*67-' ,*07/' 17/,067 ' -)"3&$/2%-&

!' ' " - G5 280/-' ' 8,6.246' 10/,7*6.' 7*3' 0*5 2-03' ,*' 7*' ,*?2 45/0' ?7/=' T (50 03' 8,6.' 7G,0' 0 1 750*67-' 2/' 50 03' 8,6.' 7' 50*6/7' 1 750*67' +39"'"/5' .#8/7#/5' 1#2"2'/5' 3)3&$' 385' -)"3%"-9 5' /&$'68/(#/5' "#&$#2%/

.0' 7 ,*,6,0-' 2' 3)3&$' /2'2" 7/0' : 2-6' 2.-54/0' ' .7?0' -4++0-603' 6.76' 6.0 ' 7/0' /034503' 2/:-' 2' ' $#%#)/"#8'2" 2/' 2"3.%9!/"#8'2'' .0' 305,303 =' 3,526= 032*24-' 0:;/=2' /0:2?0-' 6.0:' /2:' 7' 6.0' 2*2526= 032*-' 8,6.' 8.,5.' 6.0=' .7?0' ;00*' 52:17/03' ,*3 0=' .7-' -4++0-603' #.'"/''W' 7*3' /!!#>' $"#2%'5' 0,--*0/' '"/$3.%- '2 J:2/0' 760 =' ,*3 0=' 7 ,0-' 6.0:' 4*324.6,*+ =' 62' !/$#8'/ 3)3&$'8#/3'2" 7/0' *76,?0-' 2' /259=' /,?0/ ;03-' ,*' 6.0' 6/21,5-J -)"3&$/2%-&' ,-' 737+7-57/,7*' J #3"$"9' 7*3' "#&$#2%/' 7/0' -,76,5' 737+7-57/,7*' 7*3' :0/,57*'' *0' 3)3&$' 38' ,*.7;,6-' 60:10/760' 2/6.' :0/,57J 6.0' /0-6' 2' 6.0' 7:,=' 7/0' 5.,0 =' :0/,57*' 0G5016' -)"3%"-9 5' 8.,5.',-' *3,7* .0' 2* =' 9*28*' 4-0' 2' 6.0' 7:,=',-' 6.76' 6.0' 246.' :0/,57*' *3,7*-' :790' -2:0' 4-0' 2' 6.0,/' -7,*0' 7-.0-5" :

C .,-' 2/30/',-' 2:,6603',*' 6.0' 2/,+,*7' 6-' 5.7/7560/-' 7/0' 6790*' /2:' 4 7-*0#-' :242+/"1. B *

)) 1 A #8)!

: " \ A 1 C *;+ 4*+F ; T V % C *;+ : Q 4*+F ; GB*: I

O / 98 'Z" + >8*4+G+ *: I C9+* ?**;=8O94 @B GB*: I % *:8*B Q ?C F9 4@+ -98+ 4* A GB*: I

8*4+GB*: I * A5 GB*: I 8@ +4@+8*;?-98?9 A GB*: I 99= GB*: I B>8AO GB*: I

++O8* ? * ;9 :89A ?7 40 O@89= - 78*;479=# ?+8*: : ;:# /9*F
OCCO? +9# O> OC: ;9*8 O8 O>O-*+9 O> O;:# ?9?? 9 O8 ?@> ?9?? 9# *+ *>O-9#
40;-95 >9 O/# 9?7A# 95?+ C@ *+9 O 8! = 094 O@?# *88*;:9= ; 8O/?# ;40; 4*
>O;:?C F9?# OCCO? +9# ?9?? 9# :899; 1 `) O 8 = ?+ ;4+ "/2$& 4097 9*8 O8B#
O>+@?9 O8 -98A ?7O8+ A *4@B ;*+9# 40;4*-9# 9;+ 89# C98? ?+9;+# 4 O?9 +O:9+798
B9B>8*;O@?# 9*BC*;@ *+9# O8 ;* 40BC89??9= 4@C# +8@;4*+9# > *> *+9 2 #
4*/? @; +9= % 87OB>O =* - # * +98;*+9 / +7 +79 C9+* ?# *;= C8OE
D94+ ;: :#!/ '8$& ?@>@ *+9# : *>8O@? /8$%'"& 49 9=# @+8O8?9# O> O;:# = =AB0@?#
;4@B>9;+# -98?*+ 9# =97 ?49;49 O;: +@= ;* % 8@= B9;+*8A O8 1 \ )
O 8 @; +9= ;+O *9?7A ?C F9 ,"/2$&*?;+79 `# =94 =@O@?# +79 O/98 @; +9=
.**;= =(% H # 407989;+# *;= *=7989;+ +O +79 >*?9 O +79
>8*4+?# 49!9= &$-!' &$#7 /4*C +*+9# ?@> > O>9= 3(9!'&?O +*8A# 9894+# *;*+8O
CO@?" .'"#2/".& 49 9=# @; +9=# *;= O8B ;:* 9?7A O-O = 40; 4* 8@ + '8)32/".

408 *490@?' = ' 0> 0;:# 9894+# ?+8* :7+# 95* >@B ;0@?" &$/' B9B>8*;0@?'
'40; 08B*> 9'+0'+79' ?99=" 23$-!')38& 9?7A# 0> 0;:# 40@G C89??9=" "/)#2!'" ?708+#
;9*8'+79'7 @B

'

76,-

.0' 7 ,*,6,0-' 0 ' /$#&' 7/0' ?0/=' 2;-54/0,*' .7;,6',6' /0-0:; 0-' %=83.3)#/2'W&6 ;46' 6.0' -6/4564/0' 2 ' ,6-' 280/-' 824 3' 71107/' 62' ,*3,5760' 7' 5 2-0/' 7*7 2+=' 8,6.' '/A #9"# '2'5 / /"#&)8'/5 7*3' -2:0' [-73.%- '/'6./24+.' "#%9%&
/$#&',*.7;,6-'6.0'-07-.2/0-'2 '6/21,57' :0/,57

)) ' + A5' 9&&#'9

. K 5&' &' > ' #2%/")5' '' P& ++B9 1
' (- 0./"&5" "387"$#/"$

* &)#2!#839&5' / =8$/2'39&5' /'%!2 -)'39&' # "&' " ' /8)' ! 'L' #1 M=' 8/F')E' K " '7/.#875"'2'#(#87')#"'2$!-'$%" .3!!'8>7"/#8&' = ' /!,9 #K 839&' " '<#$%' '3" 3"'" 23$-!')38& 15= '<33)-' M '&2/$$'"')5' 3..3&#$'5 <%3"!')' 3":/&2#2!')

&'08'- 4 '08' - &@?@* A'89? ;0@?# /00=' / +70@+'C80C98'L-9??9 ?# *;=' 40BC0?9=' 0 ' >89?' / +7' 0;9' 08' B089' ?98 9?' 0 ' 40;4*-9' = ?F?" ,9)& ;*F9=' 08' C80+94+9=' >A'?4* 9?' M ' 95?+ C@ *+9# @?@* A' C98? ?+9;+# ?4*++989=# = ?+ 470@?# 0CC0? +9# +98;*+9# B>8 4*+9# 08' *?4 4 9=' 0;' ?708+9;9=' >8*;479?# ? BC 9# 9;+ 89# 08' 8*89 A'=9;+ 4@ *+9# 08'-98A'8*89 A' 0>9=# @?@* A' ;9*8'08' *4 9@ *8# 0 +9;'>0*+ ?7*C9=' 08'?4* 9 F9# 8*89 A'9 C+ 4'08' *>9 *+9# * /*A?' / +7' ? BC 9' ;98-9?# -98A'8*89 A'89E =@49=' +0' +99+7' ;' +79' *5 ?' 0 ' / 7 47' ?C8 ;:'>8*;479?' = *+9=' ;+0' C7A 0=9?' B %-!!3>' 2!/)9&`5' ?0B9+ B9?' = B08C70@?' G?0B9' *4 9@ *8# +79' 0+798?' ?4* 9, F9!' 0;' +79' ?*B9' ;= - =@*' G$@; C98I' * ' ;' 4*+F ;?# B0;094 0@?' 08' = 094 0@?# *47 *BA=90@?" 2/$F#8& s' 40BC0?9=' 0 ' *;+798 980@?' ?4* 9?E' /8$%'"& 0 ' H ' C*8* 9 '08' 8*= *+ ;:' 40;+ :@0@?' 08' = ?+*;+' 49 ?# *=;*+9' +0' +79' ?4* 9' G= *+9=' 08' C9 +*+9!# / 7 47' ?98-9?' *?' 40;;94+ -9' *;=' *B9;+# ?0B9+ B9?' C9;=@ 0@?' G "/92/"#/ 5 =97 ?49;49' 0;: +@= ;* # 8*89 A' +8*;?-98?9" .3!!'8' ?0B9+ B9?' 0 ' ' 8*+798' +@8: =' -9? 4 9?# @; +9=' >A' *;' ;E +98B9= *+9' B9B>8*;9' G #89&5' ,#'&5' /2"-)#9 5 3)32/".9&5' U4 I" ?0B9+ B9?' 0 ' -98A'?B* ' ?B00+7' :0>0?9' :8* ;?' G "/92/"#/5 'M93#/5 988#87%/ #/5 9."'&&#8'3'5 /?#8'2' ' * ' `'89=@49=' +0' ;*F9=' 0-@ 9?#,' @?@* A'08+70+80C0@?# ?C8 ;: ;:' 80B' ?C89*= ;:' ?4* 9?# 08' *' 4@C@ 08B' = ?F" #2"3.-!" :*C ;:# 9;=0?+0B9' 0 +9;' C80 0;:9=' ;+0' *' ?+A 0 =' +@>9 ' - ' ?0B9+ B9?' 08B ;:' *' =8A'?+80> @?# 08' 9?7A' >A' +79' @; 0;' 0 ' +79' +7 4F9;9=' *;=' 0 +9;' 7*8=9;9=' ?4* 9?# ?0B9+ B9?' =8@C9 F9' / +7' *' 9?7A' 408 *490@?' 08' 48@?+*490@?' +9?+*" ?0B9+ B9?' ?@880@;=9=' >A' *' 9?7A' @C@ 9' = ' ;*F9=# 0 +9;' / ;:9=" 708;A' 08' 9?7A *8;*490@?# 08' 0 A# 8*89 A 8@BB*+9' G 3""'-/5 08 :;* A'40;+* ;:'?9-98*'8@= B9;+*8A'9B>8A0?# 0 ' / 7 47'0;9' 0; A' ?' =9-9 0C9=' " ' *5 9# @?@* A'*;+ +80C0@?# 0 +9;' @8; ?79=' / +7' *' -98A

P _ .0' 2460/' 5276' 2 '6.0' -2 57 03' *7903' 2?4 0' 2' 12,*6' 8.,5.' .7-' +,?0*' /,-0' 62' :45.' 3,-54--,2*' 7*3' #:'"'&' 7*3' -2/)'2&' ,-' ;=' ?7/,24-' ;267*,-6-' 52*' ?2 4:0-' 2' ,60/764/0' *30/'7'6.,/3' 6.02/=' 6.0' 2460/' -,30/03'62' ;0'7'6/40' ;46' ,*52:1 060' 2?7/=J 7' 3,-14603' 5276',-' /0+7/303'7-' 2 '6.0' *764/0'2 '7'3,-9 B :

□ '

2*+-4-10*-2/ 2/ : 03 2 7 790,* 2 , 7 : 0*6-J 23$-!')38& T 2/ -0?0/7 ?? ,2/ 03 D2/ 7552/3,*+62 4 ,7/6/0 T 075 , : 7*= 17/6,60 7*3 2112-,60F 01,+024- 2/ .=12+024- ,* +0/ : ,*76,2* J "/)#2!' -*10/,2/ 2/ ,* 0/,2/

38#:'"/5 -2 /0 : 7/97 ; 0 2/6.0 OG5016,2*7 -6/4564/0 2 6.0,/ 8223= ,;/0- 2/6,0,/ -003 52*67,*,*+ 2/,+,*7 =-0?0/7 0 : ;/=2- D7 7;2/6,?0 ;46 2*0 8.,5. .7- 2 60* -0?0/7 526= 032*-F 7*3 2/6.0 2*+ ,*60/?7 ;0680* 6.0 0/6, ,M76,2* 2 6.0 2?4 0- 7*3 6.0 /,10*,*+ 2 6.0 -003- 7/0 3,-6,*56 =5.7/7560/,M03 ;=6.0 OG6/0 : 0 -, : 1 ,5,6= 2 6.0,/ /01/23456,?0 2/+7*- 7*3 2/ : 8,6 $2/)' D6.0 280/- 2 8.,5. 7/0 0>47 =/034503 62 *7903 2?4 0-F 7* ,-2 7603 +/241 ,* 6.0 0+067 ; 0 ,*+32 : _9*28* 7- - 83&.'" &`5 .0= : ,+.6 ;0 52*-,30/03 7- ,*60/ : 03,760 ;0680* 9&83-/ &7*3 "-.$37/ &5 , 7 08 0G60/*7 /0-0 : H ; 7*50- 2* =80/0 *2603 -45. 7- 6.2-0 8.,5. 0G,-6 ;0680* .%')"/ 7*3 M9#&'$9 5 -2/)'2" 7*3 #!#2'&5 "5

;9, R 0/98 *;=O@+98>8*4+6B*: I

:9 0 0/9 ;;98 *49GB*:I

8 (" - 8 ("' E C9.40;9 ;9 99= ?4* 9 $P B 480CA 9 " 47* *<*

;9
C9‘CO 9;‘GB*: I

;9
99=‘4@+‘-98+ 4* A‘
GB*: W

B *6*8A‘ :@89♯?7O/ ;:‘
+79‘?@?C4;?O8?*;=‘
8@= B9;+*8A‘9B>8AO?‘
G ‘ 8O/;I

;9
98B ;*+ ;:‘9B>8AO‘
<‘4*@‘ 4 9‘ ‘4O+AE
9=O;?‘?@88O@;= ;:‘
+79‘C *@+@ 9

8
@?C9;?O8‘*=798 ;:‘
>O-9‘+O‘‘ B 48OCA *8‘
-9? 4 9♯*;=‘+98B ;*+9=‘
>9 O/‘>A‘*‘8@= E
B9;+*8A‘9B>8AO

(‘
@+798 f8O@?‘?4* 9

- 9" ‘
-‘@ 98O@?‘?4* 9

8 & 5(‘
94+O;‘O‘O-@9

1 W(
-@ 98O@?‘?4* 9

1 W(
94+O;‘O‘O-@9

38#:‘" 5‘8..5.‘.7?O‘1 7=03‘&3‘52*-,30/7;O‘7‘17/6‘,*‘7 ‘6.O‘+02 2+,57‘0125.-‘2‘24/‘1 7*O6‘7/O‘62‘ 6.,-‘37=‘2*O‘2‘6.O‘:2-6‘*4:0P24-‘7*3‘8,30=-1/073‘ 7:,,0-‘,*‘6.O‘82/3‘ .0=‘2/:‘7‘5 7-‘/76.O/‘ 6.7*‘7‘7:,C‘7*3‘6. ‘6/,;0-‘:7=‘.O‘52*-,30/03‘7-‘-2‘:7*=‘3,-6,*56‘2/30/-‘6.O:-0?O-‘5717;O‘2‘-4.‘ 3,?,-,2*‘ .O-O‘6/,;O-‘2/‘-4;2/30/-‘7,JO‘6.O‘2 28,*+@B

! ‘ ‘ +5‘ > ‘ #2%

4‘4-47 =‘67 ‘2 60*‘+,+7*6,5‘/O-,*24-‘6/4*9‘52*,57‘;/7*5.O-‘**:0/2*-‘ :2-6‘/O>40*6=‘8./03J‘2‘ !‘8,6.‘3,?7/,5760‘;/7*5.O-‘J !‘*7903‘2/‘-57=‘ ‘4-47 =‘10/-,-60*6C‘-6, ‘*7//28 ,*07/‘-4;4760‘7*502 760‘2/‘0 ,16,5

?4*++989=#' O8'@; +9=' ;'H O O *+9' *?4 4 9?6': 8+'*+'+79'>*?9'/ +7' *' ?4*8 O@?' ?79*+7' D #89&' 0 8 'B0;494 O@?#' O8' 8*89 A' = 094 O@?#' ?+*B 9;?' *;=' 0-@ 980@?' ?4* 9?' ?C 8* A'*88*;:9='*80@;='*'40B B0;'*5 ?#'*;='O8B ;:'+98B ;*'O8' *+98*'4*+F ;?' 1 '`)' - ';@B 980@?#';*F9=#'B O89'O8' 9??'40B C*4+'':#!/ '8$&-98A'?7O8+#' +7 4F#'@?@* A'C8O 0;:9='*+'+79'+OC';+0'*'?4* 9 F9'?+8* :7+'O8';=959='40;;94+ -9' /8$%'"& ?0B 9+ B 9?' 49 9=#'/ +7'0-0 = 07 0;:'*CCO?9='49 ?#'?9C*8*+9='>A'*'B O89'O8' 9??'=9-9 OC9='40;;94+ -9'/7 47'95+9;=?'>9AO;='+79B '?0B 9+ B 9?'M B*;A 49 9='49 ?' 4A ;=8 4#'H 1 ?98*+9'>9 O/'+79' 40;;94+ -9#'=97 ?49;49' O;:+@= ;*'O8'+8*;?E -98?9'".3!! '40B CO?9='O'-9? 4 9?'@; +9='>A'*;' ;+98B 9= *+9'B 9B >8*;9 1 1 ')' -C A ! ' '@?@* A';@B 980@?#'?9?? 9'O;'+79 8'*5 ?#'O8'?7O8+A'@;:@ @*+9#';9-98'C9 +*+9#' B>8 4*+9#'*4489?49;+#';*F9=#'O8' ;?98+9=' ;'+79'*5 'O'*'>8*4+'/7 47'?'9*8 A'*889?+9='O8'*4489?49;+#'95499=;:'+79'?4* 9E 3(9!'&/ +7' ; 98 O8' B 480CA 9#' '40 *+98*' B #89&5 ,#'&5 #2'/5 3%@"#?5 ')"9&' O8' VO'B 988#87%/ #/5 "$%"3$/?#& 5 O8' Q'B 'M93#/5 2#/)3.#$7& 5 O8'?O +*8A'B "/92/"#/5 9$/&&/5 1/ /"/5 1/2"-)#9 5 3)32/".9& 5 ;?98+9='>A'+79 8'>*?9'+O/*8=?'+79'B == 9'O '+79'?4* 9#'O8' ?0B 9+ B 9?'*=;*+9'+O' +'+780@:7O@+'+79 8' 9;:+7#';9*8'+?'+OC'B "/92/"#/5 3)32/".9& 5 8+7O+80CO@?#' O8' -98A'8*89 A'*;*+80CO@?' B 3)32/".9&5 1/2"-)#9 ' '@?@* A' 40B CO?9=' O ' C98? ?+9;+' O8' =94 =@0@?' ?9B ; 980@?' ?4* 9?#' /OO=A' O8' 408 *490@?#' +7 4F9;9=#'O8'+7 ;'*+'+79'+OC' '*?' B*;A'*?'+79'O-@ 9?#';-98+9=#'*=798;:'+O' +79'?4* 9#'O8'4*=@40@?" $'&$/'408 *490@?' O8' >0;A#'8*89 A'?O +'B 3)32/".9& 5 O +9;'+98E B;*+;:' ;'*'B 9B>8*;0@?'/ ;:'*>0-9'G # 9&5 ,#'&5 U4I#'O8'@; *+98*'B "/92/"#/ E /!,9 '8A' 9?7A#' O A' "-! '/ +7' 0> 0;: ;9*8' 40+A 9=0;?'" "/)#2!'' 4A ;=8 4#' ; 98 O8

b!;=98'+79'+8 >9?'O '+7 ?' B CO8+*;+' *B A' '7*-9' +7 0@:7+' +'8 :7+'+O' ;+8O=@49' +79'?@> +8 >9?'*;='*!'+79':9;98*#'*?': -9;' ;'+79' *+9?+' / O8F'O;'+79'?@>D94+#'>A' *8' *+O89#';'%9' *;=0 9.? 8O=8 B @?'0$ 1'

4;6/,;0' //5 , LB *6.0/-'< 2/' :2/0'T -0/,760' ,*07/' 57 0-'2'22*0 -1,/7 =' 7//7*+03'305,3424-' 003-'-2 ,67/='10*34 2 -'8,/,+ 0--'2/' 4*0>47 ='8,*+03J 526=032*-' '0*6,/0 2/' T 17/6,60 B 07?0-' 76'2 60*';/273'2/'% +2*24-'-4; 2112-,60 2/' -1,/7 ='7//7*+03 _"/92/"#/5 D:# 9$/&&/5 _1/ /"/' L g

4;6/,;0' 1, , B *6.0/-'T'-4; +2;2-0 2/'2; 2*+' 57 0-'2'52*0 -1,/7 ='7//7*+03' 4-47 ='10/-,-60*6' 003-'T'52 760/7'D/7/0='7//0-603F' 10*34 24-'4-47 ='8,*+03J 526=H 032*-'T'T $$' 17/6,60 B 07?0-'?7/,24-' _ #89&5 D:# /"#?5 _ ')"9&5 _ #2'/5 _ ,#'&5 &97/5 &'9)3!/"#?

4;6/,;0' C% "K5 $*6.0/-'TBE' /7/0='Y' -2/,760' 57 0-'2'52*0 -1,/7 =' 7//7*+03'D8.2/03',*' #))"(97$38#/5 4-47 ='10/-,-60*6' 003-'(Y'D?0/='/7/0='080/F' 8,*+03'2/'*26J 526=032*-'T'4-47 ='0*6,/0 B 07?0-' 4-47 =',*07/ '/7/0='-57 0 ,90 '_ 988#871#/ #/5 _ "$%"3$/?#&5 _ 2#/)3.#$-&5 A 'M93#/5 "-.$. '"#/5 !-.$3&$"3,9&5 /?3)#9 5 #))"#87$38#/

4;6/,;0'/ ' K' D 00' /,;0' 'D] 1/0-¬:020'1''%% F' *6.0/-'(E'/7/0='T' 57 0-'2'52*0 %2/' :2/0'3054--760='2112-,60'2/'(B%,*'7'8.2/'10/-,-60*6' /00'2/'52**760 B <##.'"9&' 003-'0/056'T(8,*+03'/7/0='8,*+ 0--' 526=032*-'T'4-47 ='0*6,/0 B 07?0-' 2112-,60 2/' 8.2/03' 2$#83&$"3,9&5 "'8'!/5 /!!#$"#&5 #%32')"$#&5 %9/5 %9-3.&#&5 #3$/5 1#&'! /5 #$J"3-/5 %/ 2'2-./"#&5 9."'&&9&5 98#.'"9&' _

,*0-' ,/-' 7/5.0-'7*3' 037/-'8.,5.'52:12-03'6.0'+0*4-' #" &'2' ,**704-'52?0/'7'?7-6'7/07'2'6.0'*2/6.0/*'.0:.,-1.0/0J6.0='7/0'+/0+7/,24-'2*'6.0':24*67,*-'2'60:10/760'/0+,2*-'7*3'30-50*3'6287/3-'6.0'17,*-'7-'6.0='711/275.'6.0'12 0J',*'6.0' 1-'6.0=':7/9'6.0',:,6'2'7/;2/0-50*6' 0+0676,2*'D' 9 #!#3' /"#? ' 7*='-105,0-'2' #88&' '2554/',*' 2/6.' :0/,57' /2:'6.0'26='24*673*-'2' 0G,52'62'6.0' /2M0*' 507*J6.0/0'7/0' 080/',*' 4/210' -,'12--0--0-'6.0' 037/'2' 0;7*2*'_7*3'2'6.0' 74/4-S'7*3'6.76'2'6.0' ,:7 7=7-'G1'3)/") '_7*3' 2/6.' /,57'6.0' 037/'2'6.0' 6 7-S' *' .,*7'7*3',*'!717*'7/0' 24*3'6.0'-,*+4 7/' 3#/)3.#$-&'7*3' 888#87%/ #/5;0-,30-'7 '24/' 4/2107*' +0*0/7' 'M93#/'&' .'"'>'(#"'8&'7*3'7#7/8$'/'7/0' 7,2/*,7*'7*3' 0G,57*'6/00-'8.,5.' 7667,*'7'.0,+.6'2'($$' 006'7*3'6.0'6/4*9'7'5,/54: 0/0*50'2'&$' -' /' 2290/'.7-'/0:7/903',6',-'6.0'-246.0/*'.0:,-1.0/0'8.,5.'12--0--0-'6.0'7/+0-6'*4:;0/'2'+0*0/7'8.,5.'7/0'*26'24*3'0-08.0/0'2/';46'/7/0=' 45.'7/0'7:2*+-6'6<,0,b80R\'6.0'+0*0/7'1/ /"/5' <$/&&/5' "/92/"#/5' "$%"3#/?#&5' /2"-)#9 5' 3)33/". &5' "5'7*3'2'6.0'26.0/'6/,;0-'6.0'+0*0/7' /!!#$"#&5' 2$#83&$") ,8&5' /2%-!'.#&5' %9/5' %- 3'!/)9&5' D00

"/92/"#/'2/:-'?7-6'2/0-6-'2*'6.0':24*67,*-'2' /7M,'7*3' .,J / /"/'+/28-',*'6.0' 2 4557-'_ 75,,5' -7*3-S'7*3' 08'h07 7*3J 9$/&&/' -' 4-6/7,7*' 2/ 2 9' -7*3'7*3' 08' 7 032*,7*J "$%"3>'$/?#&5' 8.,5.',-' /0:7/97;0' 26' .7?,*+'6.0'.7;,6'2' @-23.3)#9 5',-'A52*,*03'62' 7-:7*,7' //"-)# 8';02*+-'1/,*5,17 ='62' 08'h07 7*3' _;46'0G60*3-'62'6.0' 7 7=7*' 0*,*-4 7' 7-:7*,7'7*3' 08' 7 0H32*,7S' 3)32/".9&',-' 52-:212,67*',*.7;,6,*+' 4-6/7,7' 08'h07 7*3'6/21,57' -,7' /,57' . ,'!717*'7*3'6.0' *6, 0-

%#'$#8'2 5';0-,30-'6.0,/'0 0+0*6'.7;,6'+,+7*6,5'-6764/0'6.0,/'10/-,-60*6'_0G5016'/"#?5' &'9+/"#?5'7*3' !-.$3&$"3%9&4' 7*3'-,*+4 7/' 07?0-'7*3' /4,6-'8.,5.'+,?0'-2':7/903'7'5.7/7560/'62'6.0'7*3-5710'6790." ,/74L*. *,1*+-6'1 7*6-'4-0 4'62':7*'6.,-'3010*3-'1/,*5,17 ='2*'6.0'*764/0'2'6.0,/'8223'8.,5.',-' 0G,;0',+.6':,+/, q764/760''8,6.'7'/0-,*'7-'62'/0-,-6'.4:,3,6='7*3'7?0/6'3057=' .,-'34/7;,,6='2' ,#'$#8''"/0*30/-'6.0:'4-0 4'2/';4,3,*+'14/12-0-':26.'2*' 7*3'7*3'8760/' .0'/0-,*-'8.,5.'6.0='52*67,*'7/0'?0/=',:12/67*6';26.',*'6.0'7/6-'7*3' :03,5,*7 =' .0'6/4*9-'2' ,*0-' ,/-'7*3' 7/5.0-'0-105,7 ='0,6.0/'0G430'2/'=,0 3';=',*5,-,2*' 4/10*6,*0'7'-0:, ,> 4,3'-4;-67*50'75/,3'7*3'2''7'10*06/76,*+'2324/''0--0*6,7 ='52:12-03'2''7' ,G03' /0-,*' 3,--2?03',*' 7' ?2 76,0' 2, ',*' 52:;,*76,2*'C O,6.'7' 50/67,*'>47*6,6='2'7455 *,5'75,3' 0?0/7'*764/7'7*3'7/6, ,5,7'1/23456-'7/0' 2;67,*03' /2:'6: *6,*0'8.,5.'7552/3,*+'62',6-'52*-,-60*5='7*3'6.0'-07-2*'2'6.0'=07/',-'30-,+*7603'7-'f0*'1360#f30';2//7-P'U30'+7 ,126#G12-03'62'6.0'-4*',6',-'60/:03' 0 28'2/'C O.,60'2/' 7 -0' 0*06,7*' 4/10*6,*0' ,'2'64/10*6,*0',-'6.76'/0 ,*03';=',6/76,2*' ,-6, 03'2?0/'7'+0*6 0' ,/0',6',=,0 3-'6.0'-1,/,6'2'6:10*6:0 72 ,G6<* ,G = 70,,,, '6.0'7/6-'7*3' 8.,5.'8.0! !7,G 8,6,'752.2'2/:-'6.0' + 43' .=3/1+Q* 4-03'2/',+.6,*+' .0'/0-,344:'2'6.0'3,-6, 76,2*',-'/ -,*'D/"2/8& 'A22 3:##/8''2'23!3.%38-4' .0'+7 ,126'6/,64/7603',*'8760/',-'6.0'=0 28'/0-,*'2'52: :0/50' ,65.',-'1/017/03';=';4/*,*+',*'7'52110/'6.0'/0-,*24-'/0 4-0' 7/'D .3#?'83#"'2/'%"/#&'7"/&',-' .7 ,>4,3'1,65.'2;67,*03';=';4/*,*+'6.0'/0 4-0'2'6.0'1/0503,*+'1/23456-',*'7'52?0/03'?0--0' 7:1; 759',-'6.0'1/23456'D-226F'2'7'6.0'7;2?0*7:03':760/,7-'760/';0,*+';4/*6',*'7'4/*750'073,*+'62'7'5.7:;0/',*'8.,5.'6.0'-:290',-'3012-,603'7-'7*',:17 17;0'12830/' .0'64/10*6,*0'2'6.0' 7/5.'D /"#?'<"3.2'/',-':2-6'0-600:03'2'7*='7*3',-'9*28*'7-' 0*06,7*' 4/10*6,*0

.0' 7:'2' ,073' ,/'D ,#'&',/!&/ '/5'7' 2/6.' :0/,57*'6/00':,=,0 3-' 7*737' 7-7:'7'-8006'-50*603'64/10*6,*0'73:,*,-60/03',*'7,056,2*-'2'6.0'4/06./7J,*' 2/6.' :0/,57'7*6,-=1. ,6,5'>47,6,0-'7/0'766/,;4603'62''7'305256,2*'2',6-'/226' .0' 7*73,7*-'4-0'6.0'52*0-'2' #88&' /8F&#/8/'7-'7'-432/,,5' .0',?0/' ,/'D ,#'&'.'2$#8/$/',-'2*0'2'6.0' :2-6'4-0 4'-105,0-'2/'-.,1;4,3,*+'6,:;0/ 82/9'1 7*9-'7*3'4/*,64/0J,6-' ;43-'8.,5.'7/0' /0-,*24-' ,*' -:0'7*3'67-60'7/0'4-03' :03,5,*7 =' .0' 7/5.'=,0 3-X;0-,30-'64/10*6,*0'7'8.,60'-4;-67*50'-4+7/='7*3'7G76,?0'*7:03' 7**7' 2' /,7* 2*'7*3'8.,5.',-'7*7 2+24-'62'+4:'7/7;0' /2:'6.0'6/4*9'2' #89& /,#8#/8/5'2' 2/6.' :0/,57'0G430-'4*30/'.076'7'-4;-67*50'D.#8#'' 7*7 2+24-'62'6.0'1/0503,*+' .0' 037/'2' 0;7*2*'D ')"9& #,/8#',-'2*0'2'6.0':276':7 0-6,5'-105,0-'2'6.0'7:,='J'6.0'!08-' 22903'412*',6-'8223'7-',*52//416,;0'O 0'/073',*'6.0',;0'6.76'6.0'0:1 0'2' 2 2:2*'87-';4,6'2' 037/'546'2*' 24*6'0;7*2*';46',6',-'1/2;7;0'6.76' 7/5.#2/' =1/0-'8223'87-'4-03'6.0-0';0,*+':45.':2/0'34/7;0'7*3'52:1756'7*3'0-' ,90='62'-1,6' .0' 0237/'D '3)/"/5'7'-105,0-'7-';0746,4'7-'6.76'2' 0;7*2*',*.7;,6-'6.0' 7-60/*' ,:7 7=7-'7*3' +.7*,-67*J,6',-'52*-,30/03'-75/03';='6.0' ,*322-'7*3'=,0 3-'7*' 2,'0 ,575,24-',*' 50/67,*' 5467*024-'3,-2/30/-' .0

C 7/5.',-' 24*3' *28.0/0',*' =/,7'2/' -,7' ,*2/' 52-0=+/7,*03',*',6-'*76,?0' 2/0-6-'6.24+.'-2 6'7*3'.0'8223'2'6.0' 0;7*2*' 037/',-'?0/=' .7/3'7*3 22-0',*'54 6,?76,2* B

< (+ 0 / 98 GB*: I Q 0 / 98 GB*: I AC89??
AC89??
C9 0;9
AC89??
9B ; 98O@? \
?4* 9 ?9C*8*+9=
8O B +>9 4O;9
< (+ " : B
0@; :4O;9
YC8@ +9 ; + 89 *; =4@+ +8*; ?-98?9 A GB*: I + <(5 ((B
Q $@C C98
< (+ " C9 8@ +
9B ; 98O@??46 9 GB*: I
< (+
AC89?? 99= 9 ; + 89
; =4@+ -98+ 4 A GB*: I
$@; C98 99= 9 ; + 89
; =4@+ -98+ 4 A GB*: I

9."'&&# 2 1/0 0/ 7 60 : 10/760 5 , : 760J 6 . 0=0G60*3 /2 : 0*6/7 !4/210 62 6 . 0 07-60/*0G60/0 : ,6= 2 -,7J 6 . 0=7/0 -1/073 2?0/ 2/6. : 0/,57 246. /,57 7*3 4-6/7 ,7 !4*,10/- 7*3 =1/0--0- ,* . 7 ; ,6 7 6 . 0 *2/6 . 0/* 60 : 10/760 M2*0 J 6 . 0 52 : : 2* !4*,10/ D 98#. '"9& 23 98#& 7-50 . 3- 62 6 . 0 -*28 ,*0 "-.$3 '"#/ 7*3 #3$/ ; 0 2*+ 62 .,*7 7*3 !717* 7- 32 %9-3.&#& 7*3 %/89&3-./"F5 -0?0/7 -105,0- 2 8 .,5. 7/0 7 -2 : 0/,57* /?3)#9 7*3 %9 / ; 0 2*+ 62 2/6. : 0/,57 7*3 !717*S #,32')"9& 62 .,; 7*3 08 h07 7*3 #))"#87$38#/ 62 246. /,57 7*3 737+7-57/ "'8'!/ _7*3 2$#83&$"3%9& 62 4-6/7 ,7 /!!#$"#& 62 2/6. /,57 BA1#&'! / 62 7- : 7*,7 #$/"3-/ 62 ., ,S

9."'&)8' 12--0--?2 76, 0 /0-,*24- : 7660/- 8 ,6. 1/210/6,0- 7*7 2+24- 62 6 . 2-0 2 %#'$#8'2' . 0 0--0*50 52*67,*03 ,* 6 . 0 , / . 0/ ; 75024- 17/6- 7*3 /4,6 ,- 2 6 . 0 -7 : 0 *764/0 7- 6 . 0 0--0*50 2 64/10*6,*0 ; 46 6 . 0 /0-,* 8 . ,5. 0G430- /2 : 6 . 0,/ 6/4*9 52*67,*- 2* =6/750- 2 ?2 76, 0 2, 7*3 *2 -455,*,5 75,3 ., - /0-,* 52 : ; ,*03 8 ,6. 7* 7-6/,*+0*6 1/,*5,1 0 ,- , * -2 : 0 -105,0- -6, : 4 76,*+ 7*3 62*,5 6 . 0/ 9."' 8' 7/0 4-0 4 ,* : 7*4 7564/0- /2 : 6 . 0 . 7/3*0- 7*3 7/2 : 7 2 6 . 0,/ 8223

. 0 52 : : 2* !4*,10/ D 98#. '#9& 23 98#& 5 7 3,205,24- 6/00 ,90 7 ,6- 52*+0*0/- ,- 7 *76,?0 2 4/210 7*3 ,; 0/,7J ,6 1/23450- 0- ; = /4,6- , : 1/210/ = 57 03 ; 0//,0- 8 . ,0 ; 52*67,* -4+7/ 7*3 7/0 6 . 4- 0/ : 0*67 ; 0J 6 . 0=7 -2 =,0 3 7 : 03,5,*7 0G6/756 2/ "3,5 8 . ,5. , -4+7/= /0-,*24- 7*3 ?0/= -62 : 75. ,5 7*3 0*60/- ,*62 6 . 0 52 : 12-,6,2* 2 +,* . 0 7/2 : 76,5 8223 2 6 . 0 !4*,10/ ,- 4-03 2/ 4 : ,+76,*+

. 0 /4,6- 2 ? -2')" 5 7 -./4 ;' 2 6 . 0 03,60//7*07* /0+,2* : 7= /01 750 6 . 2-0 2 6 . 0 1/0503,*+ -105,0- J ,6- 8223 8 . 0* ; 4/* 6 ,* 7 5 2-03 ?0--0 +,?0- 2 7* 2, = ,>4,3 8 ,6. 7 0/= -6/2*+ 0 : 1=/04 : 76,5 2324/ 4-03 ,* ?060/,*7/= : 03,5,*0 . 0 07?0- 2 / ,#8/5 7 4/2107* -./4; 52*67,* 7 206,3

?2 76, 0 2, 8 .,5. ,- 7*6.0 : ,*6.,5 7*3 7*0 : : 0*7+2+40 52 : : 2* = 57 03 03 037/ .7- 07?0- 8,6. 7 /0-,*24- -50*6 ; 46 *26 206,3 8 .,5. : 7= ; 0 -4 ; -6,64603 2/ 6.2-0 2 3%###/ 6- /033,- .- -8006 -50*603 ,+ .6 8223 ,- 07-, = 82/903 7*3 4-03 ,* : 79,*+ 073 10*5, - _*- , -,6- ?7/,06= '#4 9)#/8/5 2 8 .,5. 6.0 50 0 ; /7603 0/ : 437 -7, ,*+ ?0--0 - 7/0 7 -2 : 730S

/?3)#9)#&$#2%9 5 6.0 05,3424- =1/0-- , - 7 6/00 2 6.0 24,-,7*,7*- 87 : 1- *28 *764/7 ,M03 ,* -0?0/7 17/6- 2 4/210 6- 52*0- 7/0 4-03 7- 3,4/06,5- ,* *+ 2 : 0/,57* : 03,5,*0 7*3 ,6- /0-,* ,- 1/7,-03 7- 0 ,575,24- ,*7/6./,6,5 17,*- . 0 /226- 1/23450 52*,57 .2 28 0G5/0-50*50- _-0?0/7 006 .,+.S 2 8 .,5. 6.0 : 0/,57*- : 790 ; 00.,?0- . 0 =1/0-- D 8 2/0--66- -58 0/,4 0NJP +/28- 8, 3 ,* 6.0 0?7*6J ,6- -2 : ; /0 .40 .7- 574-03 ,6 62 ; 0 52*-05/7603 62 6.0 3073 ; 46 6.0 ?7/,06= .-"/ #)/!' , - : 2/0 17/6,H 54 7/ = 1 7*603 ,* 50 : 060/,0-J ,6- 8223 ,- .7/3 /033,-. 7/2 : 76,5 7*3 *07/ = ,*30-6/456, ; 0 .0 .4=7 D #3$/' 3"#'8$/ & 5 52 : : 2* = 57 03 /00 2 , 0 7 *76,?0 2 .,*7 87-,*6/234503 ,*62 /7*50 ,* '6.0 /0,+* 2 /7*5,- 6.0 ,/-6 322#)'8$/!#&5 7* : 0/,57* -105,0- 8.2-0 ; /7*5.0- 0G.7 0 7 -6/2*+ - : 0 2 6/075 0 87- 2/ : 0/ = /052 : : 0*303 2/ ,6- 3,4/06,5 >47 ,6,0- /!!#$"#& M9/)"#(/!(#&5 7 74/,67*,7* 6/00 -05/060- 7 /0-,* 9*28* 7- 7*37/75 6 6.0 ; 7-0 2 ,6- 6/4*9 0*2/ : 24- 9*26- 7/0 1/234503 57 03 = 6.0 7*5,0*6 2 : 7*- ,6/2* 8223 2 8 .,5. 6.0 = : 730 67 ; 0- 8 .,5. 80/0 ; 24+.6 2/ 6.0,/ 80,+.6 ,* +2 3 J ,*= : 0*6,2*- 2*0 14/5.7-03 ; = ,50/2 2/ & 'E$ 7*3 7*26.0/ 8 .,5. 87- -2 3 ; = 7456,2* 2/ T TE$]

! A5 A #2%

08 & 4 ; 0+89? ; 0@? " ,"/82%'& ?4*++989=# 8*89 A / 708 9=" ,9)& ?4* A C98? ?+9 ;+ 08 *; ;@* G /!#&,9"-/ 5 ?4*++989= 08 = ?+ 470@?# 8*89 A *?4 4 9= G /!#&,9"-/ A ? BC 9# 9 ;+ 89# 8 : =# ; 9*8# ?0B9+ B9? *>9 08B# 079=# 08 89=@49= +0 ?4* 9 / 7 4 79*8? ; +?* *5 * >8*; 47 = *+9= ; +0 * C7A 0=9 G %-!!32!/)9& 5 O 8 = 094 0@?# +79 S ; ?@7 : 070?9 08 9 0; :*+9= 4*+F ; ?# +79 \ ?0 +*8A# 08 @; +9= ; +0 * ?70 8+ ?C F9# 0 +9; ?@880@; =9= >A B>8 4*+9 >8*4+?* *+ +79 8 >*?9 1 1 S ; *F9= 08 / +7 ?4* 9? *+ +79 >*?9 - ; @B 980@?# ; *F9=# *88*; :9= * 0; : +79 *5 ? 0 +79 4*+F ; :#!/ '8$& -98A ?708+# C80 0; :9= ; +0 * *4 ; *+9 40; ;94E + -9 G /!#&,9"-/5 %-!!32!/)9& 5 08 C9 +*+9 G /?9& " /8$%'"& 1M 1 49 9=# =97 ?49; 49 0; : +@= ; * .3!!/8 : 0>0?9 1 o 8 ` ; *F9= 08 >8*4+9*+9# 9*47 ; ?98+9= 0; * 4 ! C@ 08B = ?F# *+ 8?+ ?708+# +79 ; *4489?49; +" 3(9! ?0 +*8A# ?9?? 9 ; + 9 49; +89 0 +79 = ?F# 9894+# 08+70+80C0@?" #2"3.-!' ?@C98 08 40BC0?9= 0 +79 +7 4F9; 9= *; = 9?7A = ?F# ?@880@; = ; * ; 9894+ ?99=# / +7 >0; A +9?+*# 08 ?0B9+ B9? 9?7A G /!#&,9"-/ " - & * ; + +80C0@?# ; +79 *5 ? 0 * 9?7A =9; ?9 * >@B9; # ?0B9+ B9? *8 ; *490@? G /?9& 5 08 8@B ; *+9 G 3""'-/I " 23$-!')38& # ?9B 4A ; =8 4 "/)#2!' 4A ; =8 4# ?@C98 08

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/?#8'2& 7/0 -017/7603 /2666 6.0 1/0503,*+ 6/, ; 0 ; 26. ; = 6.0 -4554 0*6 541 8 .,5. -4//24*3- 6.0,/ -003- 7*3 ; = 6.0,/ 0- .= 60-67 .0= 7/0 06 8,6. ,* 7 60 : 10/760 /0+,2*- 7- 8C0 7 - 2* 6/21,57 : 24*67,*- ,* -,7 7*3 : 0/,57 0*6/7 7*3 03,60//7*07* 4/210 12--0-- 6.0 52 : : 2* 08 D /?9& %/22/$) 5 8 .,5. ,- 7 -2 -1/073 2?0/ 2/6. -,7 _7*3 : 0/,57S 3""'-/ 2*0 -105,0- ,- !717*0-0 6.0 26.0/ 2/,37*J %-!!32!/)9& ,* .7 ; ,6- 7- : 7*,7 08 h00 7*3 _ 08 7 032*,7 7*3 2/*02SJ '.%/!3> $/?9& 7*3 /!9! "-/ 7/0 *76,?0- 2 !717* 7*3 .,*7 G %'"3&.%2'#>/ 2 7- : 7*,7 7*3 '.#)3$%/ 89& 7*3 /?'> 3$%'/ 2 ., ,S

/?#8'2 -05/060 ,90 6.0 1/0503,*+ 2*, 0/- ; 46 : 45. 0- 7 ; 4*37*6 = /0-,*24- 4,50- 52 : ;,*03 8,6. 7?2 76, 0 2, 7*3 7-6/,*+0*6 ; ,660/ -2 : 06, : 0- *7/526,5 75/,3 1/,*5,1 0- .0 52 : : 2* 08 2/ : 0/ = 2/ : 03 2/0-6- ,* -2 : 0 17/6- 2 4/210J ,6- 2*+0?,6= ,- +/0760/ 6.7* 6.76 2 7*= 26.0/ 6/00J ,6- /03 8223

f 2 6.0-0 7/ 762/0 733- /2"-)#98 7*3 3)32/". 9&5 ; 26. ,*5 4303 4*30/ ,#'$#8'/ ; = 26.0/- 8

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.7/3' 7*3' 5717 ; 0' 2 ' /050,?,*+' 7' . ,+ . ' 12 ,- . ' 87-' : 45 . ' ?7 403' ,*' 57 ; ,*06 82/9' _623' 2/' : 79,*+' ; 28 -SJ 6 . 0' 0- . =' 541' 2 ' ,6-' /4,6' 52*67,*-' 7' : , 3' : 45, 7+,*24-' 4,50 ' 7*3' : 7=' ; 0' 0760*' . 7/ : 0-- =J' ; 46' ,6-' -003- ' 7*3' 0-105,7 =' ,6-' 07?0- ' 7/0' -7,3' 62' ; 0' ?0/=' 12,-2*24-' _,6-' 8223 , ; /0-' 7/0' /0 : 7/97 ; 0' ,*' 1/0-0*6,*+' 7' -1,/7 ' ,*0S ' . 0' ,*+92' G# / &%9"$8/' /)#/8$#:3!#/ ' ,-' 52*-,30/03' -75/03' ,*' . ,*7' 7*3' ! 717* ' 7*3' ,-' 1 7*603' 7/24*3' 60 : 1 0- ' 6-' -003 ' 8 ,6 . ' 7' 0- . =' 7*3' 2, =' 60-67 ' 0G . 7 0-' 8 . 0*' / ,10' 7' -6/2*+' - : 0 ' 2 ' /7*5,3' ; 4660 / J ,6-' 90/*0 ' 67-60-' ,90' 7' , ; 0/6' 6 . 24+ . ' - ,+ . 6 =' . 7/- . ' J ,*' ! 71F7*' ,6' ,-' 52*-,30/03' 3' 3,+0-6,?0 ' 7*3' 7 87=-' -0/?03' 76' ; 7*>406-

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,7/+0 2/ - : 7 4 2/ ! 4 *26 /0-,*24- 2 60* -7/ : 0*62-0J ,"/82%'& 2,*603 9*266= 2112-,60 2/ 7-5,5 03 -2 : 06, : 0- 71 . = 24- - .076 . 03 76 6 . 0 2,*6- 2/ 8 ,6 . ?0/= - : 7 -0675024- 07?0- G .%')"/ 5 2/ 8 ,6 . 2?7 10* *,*0/?03 0*6,/0 07?0- D 8'$9 5 2/ 8 ,6 . 2* = T 7/+0 10/ : 7*0*6 /73,57 07?0- G '!<#$&2%#/ 0 8 : 2*505,24- 2/ 3,205,24- 8 ,6 . - .076 . - 2/ 70,*,760 -57 0- 6 . 0 [8 ,6 . 7 : 0 : ; /7*24- 64 ; 4 7/ ; , ,3 57 =5, 2/ : - .076 . - -2 ,67/= G 8'$9 5 2/ < 22 4*,603 ,*62 7

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-@ 9#?70 / ;:'+79' ;@4 9@?' 4* 9' O ' *' A0@;6' 40;9# *;='
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C9' 40;9#;*+@8*' ? <9 =9-9 0C9=' 0 ' +79' ;+9:@B9;+? 0@;:' 8@ +

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'52 64 * * /8$%'"&' 8 ,6 ,' T %' 50 -' 210*,*+' 76' 6.0' 621' ;=' 7-' : 7*='12/0-' 2/' ?7 ?4 0-J 3(9!"' -2 ,67/=' -2 : 06, : 0-' ,*' 6.0' 50*6/0' 2 ' 6.0' -67 : 0*-' D '!<#$&2%#/ ' 7*3' 6.0*' 7 ;2/H 6,?0 ' -0--, 0 ' 0/056 ' 2 6.26/212*-J .$># #8"' : 0 : ;/7*24-' 210*' 2/' *265.03' 76' 6.0' 621' G'?3&$3 ' É &'298)#8"' 0G-0/603' 7-' 7' -6= , 2/ : ' 64 ;0' 8 .,5.' 0G17*3-' ,*62' 7' 10/ 2/7603' -6,+ : 7 ,60' 1,2/0' 2/' 0--' 10/-,-60*6' 3,-9' G'8)3&$3 ' ' = ' 8 ,6.' 52/,75024-' 2/' 0-.=' 60-67 ' " - ! ' 7*6,6/2124-',*' 6.0' 710G' 2 ' 7' 0-.=' 7 ;4 : 0*' J "/)#2!"' -410/,2/

*064 : 1.03/7 O 0 8,6-5.,7

2 : 0' $/3')'5';=' 6.0' 1,**760' 7*3' 7*7-62 : 2-,*+' *0/?0-' 2 ' 6.0,/' 07?0-' G 8'$9 5 7*3' ;=' 6.0' -6/4564/0' 2 ' 6.0,/' O223 ,;/0-' 8 .,5. ' ,90' 6.2-0' 2 ' 38#:'"2'5 7/0' : 7/903' 8 ,6.' 7' -0/,0-' 2 ' 3,-9-' ;46' 7/0' 7--25,7603' 8 ,6.' 7/+0' 14*56760'?0--0 -' 0-67; ,-.' 6.0' 17--7+0' /2 :' 3$##:'"'"62' 6.0' 26.0/' ,526= 032*-' 7*3',.' 17/6,54 7/' 62' / /"#8'2"' 6./24+.' .%')"/'5 7*3' 62' %!3"/8$%'2"' 6./24+.' 8'$9

8'$9 ' %!' 38' :98#=)/"'5')9!'5 7*3' "9838#/ $ ' 7/0' 7 ' *76,?0-' 2 ' 6/21,57' -,7' ' ' 9"'8' 7*3' 83)#:!3"9 5 "5 ' 2 ' 4,7*7' .%')"/',*.7;,6-' 60 : 10/760' /0+,2*-' 2 ';26.' .0 : ,-1.0/0-' 7 056,*+' -7 6' 30-0/6-' 7*3' 6.0' 03+0-' 2 '62//0*6-J -2 : 0' -105,0-' 7-50*3' ,*62' 6.0' 6 1,*0' /0+,2*' ;26.' ,*' 4/210' G '%'!('$#2/ ' 7*3' : 0/,57' G ' /8)#8) ' _7*3' ' (9!7/"#' ,*' 6.0' ,: 7 7=7-S' B ')#&$/2%7/5' /!/$/5' /!$#&) /5':"/7#!#&5' / .-!3.3)/5 7*3' (9!7/"#' ,*.7;,6' 6.0' 03,60//7*07*' /0+,2*' ' /8)#8/5 / '"#2/8/5 #"#/8)"/5 "2 ' 7/0'

B64*;,]

.0' : 2-6' 54/,24-' 2 '6.0' 8'$/2''&5 7*3' 10/.71-' 2 ' 7 ' ,526= 032*-',-' 6.76' 8 .,5.' 87-' 3,-52?0/03' 7' 08'=07/-' 7+2' 2*' 6.0' 80-6' 527-6 2 ' /,57' *07/' 710' 0+/2';=' /' O 0 8,6-5. ' 6' *0?0/' 0G5003-' 7' 226' ,*' .0,+.6';46' 6.0' -60, ,' ,-' 2 60*' : 2/0' 6.7*' 24/' 006' ,*' 3,7 : 060/' 6' ;07/-' *2' 7110*37+0-' ;46' ,6-' 682' 526= 032*-' 8 .,2;' 0-6' 6./24+.246' ,6-' , 0',0' : 2/0' 6.7*' 7' 50*64/=' 7*3',*' 6, : 0' +/28' 62' 7*' 0G6/72/3,*7/=' -,MO' 7667,*,*+' -,G' 006',*' 0*+6.'7*3'682'62'6./00',*' 8,36.'J 6.0=' 7/0' +/00*' ?0/=' 52/,75024-' 7*3' 62 : ' ;=' 6.0' 8,*3',*62' *4 : 0/24-' -0+ : 0*6-' 8 .,5.' -1/073' 246' 412*' 6.0' 07/6.' 2*+' 6.0' : 7/+,*' 2',6-' 0*2/ : 24-' 1 76 2/ : ,90' -60 : ' : 7/903' 8 ,6.' 52*50*6/,5' 5,/5 0-' /,-0' - .2/6' 3,5.262 : 24-' ,2/7' 103, : 5 0-' 6.0' ;/7*5. 06-' 2 ' 8 .,5.' ;07/'60/* ,*7 5769,*-' 2/'=24*+' 52*0-' 8 ,6.' ;/, ,7*6' -57/ 06' ;/756-', : ;/,5760',*' 24/' /28-' 075.' 52*67,*,*+' 7' 280/' 60/' 280/,*+' 6.0' 52*0-' 0* 7/+0' 7*3' 7667,*' 7;246' 682',*5.0-',*' 0*+6.' 7*3' 2*0',*' 3,7 : 060/' .,-';,M7//0' 1 7*6',-' *7 : 03' $39 %3';=' 6.0' *76,?0-' O 0' .7?0' 6790*' 7 ' 6.0' 3,-H -056,2*-' /2 :' 6.0' ?7 47; 0' 82/9' 2 ' /' 2290/

.0' .%')"/' 0/0' 2 ' ,66 0' 4-0' 62' : 7*J 6.0' 280/,*+';/7*5.0-' 2 ' 6.0' 03,60//7*07*' -105,0-' 80/0' 2/ : 0/ =' 4-03' *7' -6=16,5-' 8'$9 '=,0 3' 60G6, 0',;/0-' : 2/0' 60*75,24-' 6.7*' 6.2-0' 2 ' .0 : 1 ' .0' 07?0-' 7*3' /4,6' 2 ' ' 8' 385 8.,5.',-' 54 6,?7603',*' :;2=*7' 7*3' !7?7' 7/0' 0760*' 7-' 7' ?0+067; 0' .0' ;/7*5.0-' 2 ' "' 9"'8' 52*67,*' 7' ,: 1,3' -2 : 08.76' : 45, 7+,*24-' 1267; 0' 4,50J ,6-' -003-' 8 .0*' 522903' 7*3' ;7903' 7/0' 03,; 0

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.# +' 98?0 # GS"55 > 5' #2%/") B " 5 &' /+cc 8 " +' 8)!#2%'"5 5 - 4' + /"$#8&

" 8 ')#3'2#39&5 /2%!/ -)'39&' " 8 AJ '(8' $'" #8/!' 238'&5 /8)':3" ')' 3:' 2/!'&%'/"#87' 38' $%'#"')3"&/!':/2'' 89 '"39&' Y>2'!!')' /8$%'"&' " 8 ' `' "')92')' $3' 8/%')' 3"$%3$"3.39&' 3(9!'&5 &3 '$# '&' &3!#$/"-5' ''"'2$5 #8&'"$')' #8' $%'' 2"'8/$9"'&' 3:' ('!('$-' :3!##:3" ' /..'8)/7'&5 &3 '$# '&' 7' #8/>$'5 #8('"$')5 38' $%'' #88'"' :/2'' 3:'.'!$/$'' &2/!'&' ' /!,9 #839& 1 -' <33)-' ' .#88/$'5 2"3<8#87' $%'' &$'

7/+0' 2/' -:7 ' ' 0 0+7*6' ?0/=' 2*+ ,?03' = ' 4-47 =' -,:1 0' -6/7,+.6

: 0>0?9' 0-0 $' 08' 4A @=8 4#
*;=' ?0B9+ B9?' H ' 99+' ;' 4 8E
4@B 989;49' G+7 4F98' ;' +79'
\I#' 40-989=' / +7' +79' C98? ?E
+9;+'>*?9?' 0 ' +79' C9+ 0 9?# 08'
B*8F9=' / +7' 4 84@ *8' ?4*8?"'
P#$% -0 @B @D0@?# ?@880@;=9='
/ +7' 0;9' 08' B089' <0;9?' 0 '
/00=# 9*47' +79' 89?@ +' 0 '
?9-98*' A9*8?:' :80/+7# *;='
40BC0?9=' 0 ' /00=A' >89?'
;=' C@;4++9' 8*A9=' 08' 89+ E
4@ *+9' -9??9 ?' *88*;:9=' ;'
8*= *+ ;:' ;9?' ?9C*8*+9=' >A'
B9=5 *8A' 8*A?# *;=' 9;-9E
0C9=' ;' *' +7 4F' *A98' 0 '
408+ 4*'C*89;47AB*' ('
0 ' ' 08B?) +79' 0;9' ?708+#'
7*8=# ?4* A' G:'"9!'& 5' 9;4 0?E
;:' +79' +98B ;*' >@="' +79'
0+798?' ;08B*' G*?' ;' * B?I#'
;=' C ;;+9' b08' M C ;;*+9#
3<'8#/Y' "' !'/:!'$& 9;+ 89' 08'
=9;+ 4@ *+9# 408 *490@?# C *;9'
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*;+98 08' *49

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CO?+98 08' *49

X
0 9; :8* ;?

8 = : 9' D -2/& 5 08' C ; ; *+9' 80B' *' B =8 >#' * ; =' +79 ;' ? BC 9' 08' > @84*+9' G $/87'"#/ '
< ' -*8 0@?') GH|' C9+ 0 9' * ; =' 9* 9+?' 80 9=, ' ; +0' *' 480< 98#' *?' ;' 98 ; ?' ' G |'
C9+ 0 9' * 0 ; 9' ; -0 ; +9# 6 ; =' 9* 9+?' B >8 4*+9' GM|' C9+ 0 9' ?+8* : 7+#' * ; =' 9* 9+?' 0 =9='
* 0 ; :' +79 8' B =8 >' * ; ='D@5+*C0?9=' ;0 / '*47 *BA=90@?# = 094 0@?# 40 94+9=' ; +0'
+80> ' 08' +98B ; * ' 40 ; 9?' D' 6' 08B ; :' *8 : 9' 0-0 =' 08' 0> 0 ; :' 40 ; 9?'' ?4* 9?' +7 4F A'
408 *490@?# 0> 0 ; :# 08' = *+9=' *+' +79' *C93# / 7 47' ?' C * ; 9' G[/5 #/ 5 08' 4@?C =*+9'
G -2/& 5 08' > =9 ; +*+9' G '"/$3J/ #/ 5 >9*8 ; :' 0 ;' +79 8' =08?*' *49' ; @B980@?' H 49 9='
408 *490@?' * ; +798?# / 7 47' 40-98' +79' *49' 0 '+79' ?4* 9' D -2/& 5 8' 08B' + / 0' : 80@C?' * 0 ; :'
+79' B =8 >' D[/ #/ 5 =97 ?49 ; 49' 0 ; : +@= ; * '' .3!!'8' 7A* ; 9# : 0>0?9' 08' 9 C?0 = 1'
0 8 ' ' ' % 4' &$-!'5 * ; =' &$#7 /' '' &2/!'& 0 08B# B>8 4*+9# 08B ; :' *' ?08+'
0 ' 40 ; 9' *+' +79' +0C' 0 ' +79' ?+9B# 489 ; 9 *+9=' * ; =' >9*8 ; :' ; ' 9*47' 489 ; *+@89' * ; ' 9894+'
0-@ 9' D -2/& ' 08' 08B ; :' *' + B9' C9=@ ; 4 9=' 40 ; 9' D[/ #/ 5 40BC0?9=' 0 ' ?+ C +*+9'
C9 +*+9' ?4* 9?# @ ; =98' / 7 47' *89' C *49=' ' 0-@ 9?' ' 3(9!'& ; *F9=# ?9?? 9# 08+70+80C0 ; ?'
' =8@C9 F9# C89?9 ; + ; :' ?9-98*' 0C9 ; ; :?' 40889?C0 ; = ; :' +0' +79' 9B>8A0 ; 4'
-9? 4 9?# 80B' / 7 47' =9?49 ; =' 0 =9=' 408=?# +98B ; *+9=' >A' 9B>8A0?' 0 ' / 7 47' 0 ; 9' 0 ; A'
?' =9-9 0C9=' ' $'&$/' 9?7A' / +70@+# 98@?+*490@?' / +7 ; ' /!,9 '8' 9?7A# +7 4F# ; ' +79'
49 ; +89' 0 ' / 7 47' ?' +79' 4*- +A' 40 ; +* ; ; :' +79' C98 94+' 9B>8A0 ' T" - ! ' *CC9*8 ; :'
@ ; = - =9=# 0 / ; :' +0' +79' 4079? 0 ; ' 0 ' +79' 0+A 9=0 ; ?' ' "/)#2!'' ?@C98 08' D -2/& E' 08'
; 98 08# 08' 0> R@9 A' = 894+9=' +0 / *8=?' +79' 8*47 ?' D[/ #/5 U'4 I' 23$-!')38& @ ; 9R@* #
0 +9 ; ' >AC0 : 90@?' ; ' : 98B ; *+ 0 ;

' k

¢ =57-	P 75/2M7 : ,7'	P ,22*'	280*,7 P h7 : ,7
¢ 0/762M7 : ,7,	P 67*+0/,7'	*501 . 7 7/62- .'	,5/25=57-

' 8 . ,5 .' 6 . 0' 07/ ,0/' ; 267*,-6-' /0 =, *+' 2*' . 7 ; ,6 7 : ' ?0/*76,2*' 1 7503' *07/' 0,6 . 0/' 6 . 0' 7 : -'
2/' /00 0/*-' 7*3' 26 . 0/' /=162+7 : ,5 7 : , ,0-' 7/0 0?,30*6 =' ,526= 032*-' 7*3' 5 2-0 =' 7 ,03' 62' (<
6 . 0' 7*762 : =' 2 ' 6 . 0' -60 : ' ,* 2/0-50*50' -6/4564/0' 2 ' 6 . 0' -67 : 0*-' 2?4 0-' 003-' 7*3' 0 : ; /=2' 7/0' 7 : 2-6
,30*6,57' ,*' 6 . 0' 682' 7 : , ,0-J ; 0-,30-' 8 . ,5 . ' ,*' ' 6 . 0' 2?4 0-' 7/0' -2 : 06, : 0-' +0 : , *760' 8 ,6 . ' 7*'
,* 0/,2/' : ,5/21= 0' 7-' ,*' PK' 2/' -2 ,67/=' 8 ,6 . ' 7' -410/,2/' : ,5/21= 0' 7-' ,*' 1 P' %C * " /'
. 0' 2* =' , : 12/67*6' 3, 0/0*50' ,-' ,*' 6 . 0' . 7 ; ,6' 7*3' 2 ,76,2*' 2 ' $' ' : 2/0' /0>40*6 =' , * . 7 ; ,6-'
6/21,57' -,7' 7*3' ,6-' 7/+0' ,- 7*3-' ; 46' 7 -2' 737+7-57/' 7*3' 0>4762/,7' 4-6/7 ,7' ? ' _7/,3'
$ ' ,-' 1054 ,7/' 62' 4-6/7 ,7' 3 ! # ' 7*3' C + ' 7/0' 246 .' /,57*' 5 ' '
? ' 7*3' ' 7/0' 6/21,57' 7*3' -4 ; 6/21,57' : 0/,57*
. 0' 50*6/7' 7*3' 52/6,57' 1,6 .' 2 ' ' 7 ; 24*3-' ,*' *46/,6,24-' -67/5 . ' . 0' ' 2 ' 6 . 0' 2 4557-'
7*3' 2 ' !717*' =,0 3-' 7' -2/6' 2 ' -7+2' 8,6 .' 8 . ,5 .' 6 . 0' *76,?0-' : 790' ; /073' . 0' 2660,/626-' 003' 2*' 6 . 0'
_1,6 .' 2 ' 6 . 0S' 3 ! # ' 57 03' ; =' 6 . 0' 465 .' 52 2*,-6-' /223 ; 22 :' D /073 6/00F' . 0' -003-' 2 ' '
7*3' 5 ' 7/0' 03, ; 0' 52*67,*,*+' -67/5 .' 52 : ; ,*03' 8,6 .' 7' +4 : : =' : 7660/' ; 46' 6 . 0=' 7/0' 7-6/,*+0*6' ,*' 6 . 0'
/78' -6760J 6 . 2-0' 2 ' 7*' 4-6/7 ,7*' -105,0-' 7/0' /01460'3' 62' ; 0' ?,2 0*6 =' 0 : 06,5

ONN ' % %

C9+ 0 9=# ?0B9+ B9?' H C7A 0@?# ?B00+ # 08' 8 ; : 9=' 0 ;' +79' =08?* ' ;98-9' D 8%/%&I ' ?0B9+ B9?' +@>@ *8# 08' 0 ; : +@= ;* A'?C +' 0 ;' 0 ;9' ? =9 1 * '#'@?@* A' ;@B980@?' ;'*'H C7A 0@?'?C*+79# 8*89 A'?0 +*8A6G P=8 cc*# U4 I#@?@* A'C9= 49 9=# ?0B9+ B9?' @8; ?79=' L / +7' *' ?C*+79 *' 08' +8@9' >8*4+' : ' N C7A 0@?# ?98 *+9' 0@+98' 9* 9+?' 4* A4 ;9# +@>@ *8# 08' ?@> 407989 ;+' *+' +79' >*?9# B>8 4*+9' 08' -* -*+9' ;' B?+ ' -*+ 0 ;' ' ; ;98' 9* 9+?' C9+* 0 =# *8 : 98# 40 ;+08+9=' * ;=' 0 =9=' ;' ?9?+ -*+ 0 ;# -98A' 8*89 A' ' G6/!!#&8'"$/ ' = ' ;?98+9=' *+' +79' >0++0B' 0 ' +79' C98 * ;+7# ' 0CC0? +9' +0' +79' ?9C* ?' G -)"#!!/5' 6/!!# '"#/ 5' 08' N Q H # ?9-98* ?98 *+9# ?0B9' 0 +9;' BC98 94+' #!/> #&' 899# 08' ?@> B07*=9 C70@?' *+' +79' >*?9# ?708+# 4A ;=8 4# 40BC89??9=' 08' 4 *-*+9# ?0B9+ B9?' *CC9 ; =* : 9=' G -)"32%/"#& E' /8$%'"& ;+808?9# 8*89 A' 95+808?9' G -)"32%/"#& 5' 49 9=# 0-0 = : 0>0?9' 08' ;9*8# *= ; *+9' +0' +79' 40 ; ;94+ -9# =97 ?49 ; 49' 0 ; : +@= ;* ' .3!!'8' ?B00+7' 08' C*C 0?9' # "' 8@= B9 ;+*8A# 044@CA ; :' +79' 49 ;+89' 0 ' +79' 0/98' Y1 * ' `' *;=' :' @?@* A' ?0 +*8A' &./$%'' +@>@ *8# 08' ?C +' 0 ; : +@= ;* A# -98A' 0 +9;' ?9?? 9' : ' ?@C98 08' B>' N C*8+ +9# ?98 *+9' 0@+98' ?9: B9 ;+?' 4* AE 4 ;9# ; ;98' C9+* 0 =' = ' ;?98+9=' *+' +79' >0++0B' 0 ' +79' C98 * ;+7 ' # "' ; 98 08# H 49 9=# C *49 ;+*+ 0 ;' C*8 9+* ' G)3"/5' 8/2%/"#&5' -)"#!!/5' 6/!!#&8'"#/5' !-?/A' 08' N 1 Q 99 9=' D $"/$#3$'&5' 8%/!9&5' $$'!#/5' 33$$#/5' # 83,#9 5' -)"32%/"#& E' &$-!'' -98A' ?708+# 08' 0 ;' *;=' *=;*+9' +0' +79' C98 *;+7 +@>9'' &$#7 /&' M' ;' +79' H 49 9=' 0-*8A# N' ;' +79' ?9-98* 49 9=' 0-*8A# B089' 08' 9?? =99C A' =# : *;=@ *8 C*C 0?9' 0 ;' +79' -9 ;+8* ' ? =9' 3(9!'& ;@B980@?# *?49 ;= ; :# 08+70+80C0@?' 08' *;*+80C0@?' ' % - ' ?@>B98 :9=# -*8 0@?' ;' 08B#'@?@* A' 0 ; : +@= ;* A' 8 =: 9=# ;*F9=' *+' +79' +0C# 08' 480 / ;9=' >A' +79' C98? ?+9 ;+' C98 *;+7# 408 *490@?# ?@> 9?7A# 8@C+@8 ; :' >A' =94*A' ;' +79' / *+98# H 49 9=# 8 B089' 08' 9?? 40BC 9+9 A' ?9-98* 49 9=' ' &'.$/' B9B>8*;0@?# 0CC0? +9' +0' +79' ?+ : B*?# *;=' C80D94+9=' 80B' +79' C98 C798A' +0 / *8=?' +79' *5 ?' = ;@B980@?# 0;' C@ CA' C*8 9+* ' C *49 ;+*?' / 7 47' ?C89*=' C*8+ * A' 0-98' +79' ?9C+*' $'&$/' B9B>8*;0@?# +0 @:7# @?@* A' 4 0+79=' / +7' 4A ;=8 4' 49 ?' 0 ' *' -98A' 9 9 : *;+' *;=' 0 +9;' ?C 8* ' ?+8@4+@89' ' 95* >@B ;0@?# ?+8* : 7+' "/)#2!'' 89*47 ;:' +0' +79' 7 @B' .!9 9!'' @?@* A' -98A' 40 ;?C 4@0@?# B089' 08' 9?? *+98*

b 79' 0 0/ ;:' +8 >9?' *89' 80B' ;= 4798.?' 2 9;98*'.)1

' % ((4(% I% Y 1 *@ 9?49 ;+' 9*-9?' 0CC0? +9' 08' /708 9=')3"/5' 8/2%/"#&5' -)"#!!/5' ./!/8$%'5

' % " B? D 6 +9B 9??# ?4*C :980@?' 9*-9?' * ' 8*= 4* # ;9*8' -*8A' H' 9 9=' ?+ : B*?' M' 6/!!#&8'"#/5' !-?/

(K' = %J&1 +9B 9??# ?4*C :980@?' -*8A' ?9-98* 49 9=' ?+ : B*?' N $"/$#3$'&5' 8%/!9&5' $$'!#/5' 33$$#/5' # 83,#9 5' -)"32%/"#& 1 ;]

; & & ' 1 7503' ' /2*+*,7/6',*' 6.0' 5 7--' 2' 4"(" *,8,.' 6(' ," ' !9 ' 7 & ' "5' 7/0' -017/7603' /2 :' 6.0-0' 7 : , ,0-' : 7,* =' ;=' 6.0,/',* 0/,2/' 2?7/=' .24+.' /052+*,M,*+' 6.0' 6/,?,7' ?7 40' 2' 6.,-' 5.7/7560/' 80' .7?0' 4-03' ,6' 62' 3,-6,*+4,-.' ; & & ' 62' 7?2,3' 6.0' 7 60/*76,?0' 2' 4*,6,*+' ,*' 2*0' 7 : , =' 7 ' 6.0' 0G7 ;4 : ,*24-' 2*2526= 032*-' 8 .,5. ' 7-' -7+75,24- =' /0 : 7/903' ;=' ' 30 !4--,04' 1/0-0*6' 7' 52*6,*424-' -0/,0-' /2 :' 6.0' : 2-6 -, : 1 0' 6=10' 2' 280/' /034503' 62' 7' -67 : 0*' 7*3' 7' 57/10' 7 + B' 62' 6.0' : 2-6' 52 : 1 0G' /01/0-0*603' ;=' ; &

.0' 08' 9*28*' -105,0-' 2' ; & ' : 2-6 =' ,*.7 ;,6 /0-.' 7*3' -6, ' 8760/-' ,*' 60 : 10/760' /0+,2*-' 2' ;26.' 82/ 3-' 2/ 7/0' : 7/,6, : 0' D6 B' " ' ,*.7 ;,6-' 6.0' , 0' 7*3' /,?0/-' 2' 6/21,57' -,7' 7*3' 4-H 6/7 ,7' L '" ' ,-' 4/2107*' -,76,5' /,57*' 2/6.' : 0/,57*' 7*3' 4-6/7 ,7*' %D 2/',6-' : 230' 2' 0/6,

,M76,2*' -00' 1' E<F' 2%/ &5' 7' *76,?0' 2' :0/,57' ,-' *28' 7;4*37*6' ,*' 2/6.' 4/210' 8.0/0' ,6' .7-' ,*5/07-03' -2' /71,3 =' 2-' 62' , :1030' *7?,+76,2*' ,*' :7*=' 17/6-' 2' *+7*3' -)"3'%/"#& ' $"'/$#3#'/' 7-2' 7;24*3' ,*' 2/6.' 4/210' 8.0/0' 6.0=' 7/0' 46, ,M03' 7-' :7*4/0-' !-?/' ,-' 7*76,?0' 2' *3,7' 7*3' 737H +7-57/' .0' .0/;7+0' 2' -)"32%/"#)'2" ,-' :45, 7+,*24-' 7*3' :230/760 =' 7-6/,*+0*6J -)"32%/"#& +3" &5' "/'9' 87-' 2/:0/ =' 0:1 2=03' 8,6.' - .%2 ' $#'!#/' 7*3' 33 #/' 7/0' 0760*' ;=' 6.0' *3,7*-' ;46' 2/:' 7' 122/' ?0+067;0' _6.0' -67/5.=' /226-6259' ,-' 6.0' 17/6' 0760*S' .0' 64;0/-' 7*3' /4,6-' 2' 6 1' *' *3,7*' 7*3' 0 0;0-' 1 7*6' 7/0' 03,;0J 6.0' ,;/0' 2',6-' 07?0-',-' 60G6,0

' A

. &' "61 5&' 7/")% 8 ; < &' #8)!

* ' : ' &9.'"#3"5')39,!'6' 39$'"' %'",/2'39&5' A>.%-!!39&6' #8" '
.'$/!3#)5' #""'79!/"5' 23 .3&')' 3:'.'$/!&' /8)5' &$/ #83)'&' = ' &3!#$/"-5' !/$'"/!6'
' >2'!!')' 7 ! '#8:'"#3"5' > >2'!!')6' 7* +%2/ .-!3$"3.39&' 3"'/8/$"3.39&

< "' &" E'
%*:8*B

"9+4*'294+0'0'299=
?70/':'79'74+9'9=8':=0'
C9@8*';9*8+79B'480CA9

' 5 00=9=<' ?"*B ;0=9

'E&

’ O

< " ' +*B9;'
Y/ +7 = *+9='C9+*

< "
" 98+ 4* '?94+ 0;'0 '0-@ 9' < "
GB*: I' +A 9'*;='?+ : B*

"3 /8$%'' &/879#8'#8

< "
8*;?-98?9'?94+ 0;'0

< "
+69*+ *'?94+ 0;'0 '?99='
GB*: I

< "
8*;?-98?9'?94+ 0;'0 '
?99='GB*: I

8* ?-98*9 ?94+ 0;'O 8@ +
* 9C+* ; *;=? 9C+*
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>@B9;'"P B>8AO

V>(/!(') = /!,9 #839& + +7 &$"/#7%$ 3" %33F') O M
/!$'"8/$'5 &%'/$%#875 #)"#,7#(#87 3:!/$'"/!!-&# .!' /8)'./"/!!'!&'238)/"-8'"('&
989;;* / +7 >80@? 800+? 08 9?7A 4899C ;:87 <0B9? = ? BC 96
08>8*;479=*>0-9# 9;-9 0C9=>A +79 ?79*+7 ;:C9+ 0 9? M * +98;*+9# ? B C 9
.'$#3!''?79*+7 ;:*+ +79 >*?9# 0 +9;+7 4F9;9=*+ +79 +0C !# ,C*;9# *8:9# 9;+ 89
#)"#,+7 4F# : -;: 0 *+98* A ? BC 9 C*8* 9 0> R@9 08 708 <0;+* ?940;=*8A
;98-9? / 7 47 *89 ;4@8-9=*+ +79 + C? * d# 889:@ *8# ;* 8*49B9 08
+98B ;* 08 *+98* C*;4 9# >8*4+9*+9 : ?@C98 08# *CC*89;+ A 08B9=0
 889:@ *8 C9+* 0 =/ 708 ?) GHl . $ + 798>*490@? 08 ?4*8 0@?# M C7A 0@?# B>8 ,
4*+9 G l . + 0 M B>8 4*+9 = -?0;?# * +98;*+ ;:/ +7 +79 4* A5# 40 0@89=#
+@>@ *8 *+ +79 >*?9# 9R@* 08 ?@> 9R@* GMl . C9+* 0 =# B>8 4*+9#
;?98+9=0;+79 4080 * *;=* +98;*+9 / +7 +# +79 ;+98 08 0;9> 0>9= 08 8 ;:9;+E G l
  % C9+* 0 =# * +98;*+9 / +7 +79 0@+98# 0;9 *>9 08B# +79 0+798
;+798 980@?E /8$%''" H 49 9=# ;+8082?9# =97 ?49;49 0;:+@= ; .3!!'8 :0>0?9#
?B00+7# 08 +@>984 9=B /88/ # ; 98 08# 49 9=# 08 H 49 9=>A *889?+'' &$-!''
?0B9+ B9? = *+9=# C9+* 0 =# ?+8* :7+ 08 4@8-9=" ?0B9+ B9? ?9;=98# 899# 08 *=;*+9
>9 0/ +0 +79 4080 * +@>9 *;=*B*8:;0 +79 *;+798 980@? ?9:B9;+ &$#7 / +98B ;*
08 ?@> *+98* # 9;+89# ?@> *> *+9 08 40;4*-9 3(9!'& ?0B9+ B9? ?0 +*8A# >*? *8#
4*BCA 0+80C0@? 08 ?9B *;*+80C0@?# ?0B9+ B9? ;@B980@?# ?98 *+9 +79 ;;98
;: 9 0 +79 49 ?# 708 <0;+ *;=* *;*+80C0@? H 49 9=# ?0B9+ B9? 9?7A#
08 M 49 9=*;=* 04@ 4 =* A M -* -9= : 0>0?9 08 *;:@ *8# / 79; B B *+@89
?0B9+ B9? @8; ?79=/ +7 * *B9;+0@? *8 D /88/ " $'&$/ 408 *490@?' '8)3.!'9"/
+7 4F9;9=*80@;=+79 B 480CA 9 /!,9 '8 708;A 0 +79 *;*+80C0@? ?99=?
?+8* :7+# 08 ? :7+ A 4@8-9=*+ +79 +0C "/)#2!'+@8;9=+0/ *8=? +79 7 @B 9B>8A0 0
+79 4*BCA 0+80C0@? ?99=? 700F9=# 08 >9;+ F9 * 480< 98# *440BC*;9=>A +/0
47* *<* 4*;* ? / 7 47 480?? +79 * >@B9;

¢ .7,7 7 76.07 5.*2-,1.2* ./=*,4:
¢ 7**7 7/7*67 6/2:7*6.0

 30 !4--,04 4*,603 7*3 x > :,*2*0 7:,=4*30/6.0 *7:0 2:"
.0=3, 0/2*=,*6.0 -67:0* 2 x > ;02*+,*+62 6.0 ,/-8.2/2 6.0 -67:,*230- 7*3 .7?,*+
7T 50 03 7*6.0/7*3 ,*6.0 324;0 7 ;4:0*

ON ' c 6

' 1/210/ =' -2' 57 03 ' 7/0' 5.,0 =' *76,?0-' 2 ' 6/21,57 ' 7*3' -4 ; 6/21,57 ' : 0/,57 ' 8 .0/0' 6.0=' /01 750' X >V D1 ' 7*3' 8 .0*50' 6.0=' .7?0' -1/073' 6./24+.246' 6.0' .26' 17/6-' 2 ' 6.0' 3' O 2/ ' .7?0' ,*' 52*6/7-6' 8,6.' X > O ' *2' 7/2 : 76,5' 1/,*5,1 0-' ; 46' 6.0,/' / .,M2 : 0' 7 ; 24*3-' 8,6.' 7' *46/,6,24-' -67/5. ' .76' 2 ' ' & ' D //28/226F' 54 6,?7603' ,*' 6.0' O 0-6' *3,0-' ,-' /052 : : 0*303' 2/' ,6-' 3,+0-6, ; , ,6= ' 6-' 4*522903' / .,M2 : 0' ,-' 75/,3 ' /4 ; 0 75,0*6 ' -7 ,?762/= ' 7*3' ,-' 52*H -,30/03' 7*' 7*6,3260' 62' 6.0' 12,-2*' /2 : ' 6.0' 4,50' 2 ' 6.0' 7*5.,*00 ' 8 .0*' 711 ,03' 62' 6.0' 824*303' -4/ 750 ' .0' 07?0-' 2 ' '(' 7/0' 52?0/03' 2*' 6.0,/' 4*30/' 750' 8 ,6.' 7' /0-,*24-' 0G5/06,2* ' -4112-03' 62' ; 0' 0 ,575,24-' ,*' 3=-,,/,7 ' .0' 64 ; 0/-' 2 ' ' , "" (' 522903' 7*3' -07-2*03' 8,6 ,' 10110/ ' 7/0' 0760*' ,4' 6.0' *6, 0-' .0' /226' 2 ' ' ,-' /014603' 62' ; 0' 3 4/06,5' 7*3' 3,71.2/06,5 ' .0' -003-' 2 ' -0?0/7 ' -105,0-' 7/0' 2*-,30/03' -4 ; -6,6460-' 2/' 52 00 ' 7*3' =,0 3' 7' 14/1 0' 3=0

' [

Gc = # > ' #2%/") 1 4 DB ? 6# " 1 + 9 &#5 9&&#'9 1

$,f 3 B

* ' : ' : (' /8)' ' /& #8' * B*49+9 ' = ' &3!#$/"-5 /8$'"#3"É ' H>2'!!')' # ' #8:'"#3"5 9&9/!!-' U>2'!!')É . ' /8/$"3.39&' . ' 9&9/!!-' /' 2/.&9!' ' = ' <#$%' ' /!,9 '8&5 /':/"#8/2'39&' /8)' /'%3 -' G(#$'!!9& ' .. ' <#$%' $%'" 23$-!')38/"-' '8)' &%'/$%')' ,-' $%" (#$'!!9&5 $%" "/)#29!/"" :"' ' " /8)' $392%#87 $%" %#!9 1 < &' <#$%' 2"' ' .#87 3" $9,'"39&' "%#J3 ' ' M ' /& #8' * @ *49*M

989 ; ; * ' ' / + ' *' 4899C ; :' 08' +@>980@?' 87 <0B9# 8*89 A' / +7' >80@?' 800+?# ?+9B 9??# 08' ?+9B' ? BC 9# 9 ; -9 0C9=' >A' +79' 9* ?79*+7? ' M ' * ' 8*= 4* # 08' * +98 ; *+9# ? B C 9É . '$#3!'' 08B ; :' *' ?C +' G-98A' 8*89 A' 4 0?9=I' ?79*+7# ?0B9+ B9?' : @ ' *+9" !# ,' *+# 9 ; + 9" #)"#,' +7 4F# : - ; : ' 0 ' *+98* A' ; @B980@?' ?940 ; =*8A' ? BC 9' C*8* 9 ' 0> R@9' .08' +8*; ?-98?9' ; 98-9? ' : * ' :# 889 : @ *8# ; *F9=' 08' >8*4+90 *+9# ?C F9=# 8*49B9=' 08' C* ; 4 9=# 8*= 4* ' 08' +98B ; * # 0 +9 ; ' *440BC*; 9=' >A' ?C*+7*990@?' >8*4+?' ' : (' =0@> 9# ?@C98 08'D @+98' G2/!-?' 40 0@89=' 08' 798>*490@?# +@>@ *8# 9 ; + 89' 08' ?C +' F9' *' ?C*+79# M +00+79=' 08' =" ; ; 98' G23"3!!/ ' / +7' *' 0 ; :' 08' ?708' +@>9# M C*8+ +9# = - ? 0 ; ?' BO89' 08' 9?? @ ; 9R@* # +79' @CC98' @?@* A' *8 : 9?+# 4@4@ ! *+9' ?+*BB0=9?' C9+* 0 =# = ?? B *8# 08B ; :' *' CC9=' +@>9' *= ; *+9' +0' +79' 4080 * +@>9# 0 / 98' C' +79' *8 : 9?+' = ' ?0 +*8A# ; ?98+9=' *+' +79' >*?9' 0 ' +79' 4080 * +@>9' :#!/ '8$ 899# @?@* A' = *+9=' * ; =' C9+* 0 =# 0 +9 ; ' C80 0 ; : 9=' >9A0 ; =' +79' * ; +798" /8$%''" 9894+' 08' ; 4@B>9 ; +# ; +8O8?9" 49 ?' = ?+* ; +# B*8 : ; * ' # ' ; 98 08# M ' G8*89 A' H I' 49 9=# 0 +9 ; ' ?@8BO@ ; +9=' >A' H 08' BO89' ?+*B ; 0=9?" 3(9!'& H 08' BO89' ; ' 9*47' 49 # ?9-98* ?98 *+9# ; ?98+9=' *+' +79' 49 ; +8* ' *; ' 9' 0 ' +79' 49 ?# 708 <0 ; +* # *; *+80C0@?' : . ' 480 / ; 9=' >A' +79' 89B* ; ?' 0 ' +79' C98 *; +7# @?@* A' *' 04@ 4 =* A' M -* -9=' 4*C?@ 9# 8*89 A' 889 : @ *8 A' 8@C+@89=' 08' =97 ?4 ; :' >A' 0 ; : +@= ; *' ? +?' = ' @?@* A' ; @B980@?# ?@> ?C798 4* ' 08' *; : @ *8# *8 *+9' 08' ; 0+# $'&$/' 4*8+ *: ; 0@?" /!,9 '8' *8 ; *490@?# *>?9 ; +' ; 9*8' +79' 7 @B# ; +98C0?9=' >9+ / 99 ; ' +79' ?99= 40*+?' *; =' *' ?940 ; =' 70BA' * >@B9 ; ' G(#$'!!9& 5 / 7 47' ?' 4 0?9=' *+' +79' +0C' 0CC0? +9' +0' +79' 7 @B# *; =' C98 08*+9=' *+' +79' >*?9' +0' * 0 / ' 0 ' +79' C*??*: 9' 0 ' +79' 8*= 4 9 ' ' ?+8* : 7+# ?@> 4A ; =8 4# *5 9# 4*CC9=' *+' +79' 40+A 9=0 ; *8A' 9 ; =' >A' +79' - +9 @?" "/)#2

1/26/4303 6./24+ , 6 ,0 ?,60 4- 1/2 2*+03 ;0=2*3 6.0 7 ;4 : 0* 7*3 /075.,*+ 62 6.0 .G 4 :

2;;7	/, 21;4-	1,*,7	2-5207	,/75230-	
2 0;/229,7	2.7- : 7	03=5.,4 :	0/7*6.0/7	60*25.7- : 7	
0*07 : ,7	h,*+,;0/	: 2 : 4 :	,10/,3,4 :	4/54 : 7	
0667/,7	7-6/25;,4-	-0*,1 0/,7	2*75230-	2-64-	
		,65;0*,7			

O 0 .7?0 ,*3,57603 6.0 5 2-0 7 ,*,6= ;06800* 5 + ' 7*3 " P 6.0 7660/ 76*, ,0- 5 + 7/0 2/ 6.0 : 2-6 17/6 6/21,57 7*3 0-105,7 = -,76,5 6.0=7/0 /7/0 ,* 6.0 -4;H 6/21,57 /0+,2*- 2 !717* 7-8 0 7- ,* 0>4,*256,7 /,57 7*3 : 0/,57 _;46 ?0/= 7;4*37*6 ,* 6/21,57 /,57S

.0 /226 2 5 + 52*67,*- ?7/,24- ?2 76, 0 2, - 7* 7/2 : 76,5 /0-,* 7 ;,660/ 1/,*5,1 0 7 : 2/0 2/ 0--7;4*37*50 2 -67/5. 623 -2 : 06, : 0- 7 =0 28 52 24/,*+ : 7660/ % " " / .0 232/, 0/24- 1/,*H 5,1 0- 8 .,5.7;24*3 ,* 6.0 /226- 7/0 7 -2 24*3 ,* 6.0 /4,6- ;46 7/0 _4-47 =S -57/50 =10/5016,; 0 ,* 6,/0 .0/;7+0 .0 /226 2 ,*+0/ > 5/C87 0F ,*6/234503 /2 : *3,7 ,*62 6.0 *6, 0- ;=6.0 17*,7/3- .7- 7* 75/,3 14*+0*6 67-60 7*3 7 -6/2*+ =7/2 : 76,5 -50*6 ,6 ,- 52*-,30/03 ,* *3,7 62 ;0 7*6,H -52/;46,5 7*3 71./23,-,75 7*= : C2107* 32562/- /052 : : 0*3 ,6 7- 7 1280/ 4 -6, : 4 7*6 2/ 8 .,5 /07-2* ,6 0*60/- ,*62 6.0 52 : 12-,6,2* 2 7* *+ ,-. ;00/ D ,*+0/ ;00/F : 45. 4-03 ,* 2/6. 4/210 6 ,- 0>47 =?7 403 7- 7 52*3, : 0*6 1/0-0/?03 ,* -4+7/ .0 /226- 2 7 7*+7 6.0 2/,+,* 2 8 .,5. ,- -2 : 0 VO.76 2;-54/0 7*3 6.0 4-0 2 8 .,5. ,- *07/ =+,?0* 41 7/0 4/*,-.03 ,* *3,7 ;= 3, 0/0*6 -105,0- 2 #! h0327/= ,-6.0 1/23450 2 " " 5 7*3 5 /2 : 6.0 /226 2 # " ? 7*3 +" (# 74 7//28/226 ,- 2;67,*03 ;46 ,6 ,- 5.7/+03 8,6. 7 =0 28 : 7660/ 7*3 : 45. ,* 0/,2/ 62 6.76 2 . 0 /226- 2 " 2/:0/ =/0*28*03 ,* 4/210 .7?0* 28 7 0*,*62 3,-4-0 7 6.24+. 6.0,/+/076 ;,660/*0-574-0- 6.0 :-6, 62 ;0 4-03 ,* *3,7 7- 7 62*,5 6 ,- 6.0 -7 : 0 8,6. 6.0 /226- 2 -0?0/7 " 7*3 F !(52 : : 2* =57 03 0//7 : 0/,67 _ 4/ : 0/,5S *3,7* 7 /2* "5 8 .,5. 52*67,* 7 ?0,=7;4*37*6=0 28 52 24/,*+ : 7660/ : 2/0 4-0 4 ,* 3=0,*+6.7* ,* : 03,5,*0 _7*3 8 .,5. 2/ : 7 1/,*5,17 ,*+/03,0*6 ,* 4//,0-S .0 /4,6- 2 " 57 03 7/37 : 2 : - 7/0 0 : 1 2=03 7- 7 52*3, : 0*6 7*3 0-600 : 03 2/6.0,/ -62 : 75.,5 1/210/6,0- 7*,+40660 _ 0 ,+40667S 2/ /7,*-2 7/73,-0 % " ! /7 4,*07 -105,0- ,- 4-03 8,6.-0?0/7 2 ,6- 52*+0*0/- V " "5 F 62 733 -6/0*+6. 62 ?,*0+7/ 7*3 62 734 60/760 10110/ _7*3 -1,/,6-S .0 0/4?,7*- 7552/3,*+ 62 211,+ 711 =6.0 232/, 0/24- 07?0- 2 6 # 7- 7 621,5 2/ /.04 : 76,5 17,*-

+ + A

64 9&&#'9 1 ! 4 7/")%

* ' : ' : ' &9.'"#3"5 .'$/!3#)5 #""'79!/"5 I> '"39&5 H>&'"#/$' = ' ,#' 3:<%#2%6 H' 3"8 3"'9"'9&9/!!- # .'":'2$ - #8:'"#3"5 V>2'!!')5 !A /8->3(9!')E 2?4 /8/$"3.39& :!'&%-5#8)'%#&2'8$5 3"8 &9%>)"9./2'39& <#$% !329!#2#)/!3"&'.$#2#)2#!)'%#&2'82' = /!,9 #839& D' #8:'"#3"8 3"8 2'8$"#.'$/!' 8 < M /!$'"8/$'5 &%'/$%#875 #)"#,7#(#87 3:-!/$'"/!!-& #.!'8)./"/!!'! &'238)/"-8'"('&

< &' 2 60*+,+7*6,5 = 2/ 0*?0 2103 ;=6.0 6.,59 7*3 10/-,-60*6 -.076.,*+ ;7-0- 2 6.0 106,2 0- -,:1 0 -2 : 06, : 0- 71107/,*+ 7- 7*7/;2/0-50*6 6/4*9 -2 : 06, : 0- ?0/=-.2/6 2/ L %&' M 7 60/*760 106,2 03 -,:1 0 0*6,/0 52*H ?2 460 ,* 0/*76,2*J !# ,4-47 =0 24+7603 -2 : 06, : 0- 7//0-603@ #)"#, 6.,59 +,?,*+ 2 760/7 =6/7*-?0/-0 2/ 2;,>40 -052*37/= *0/?0- 17/7 0 ?0/=5 2-0 7

:12 " ' !

@ ' " ' ' @ ' ' & >
> ' 99='4@+'-98+ 4* A
99='GB*:I' G@I*:I

('6 & ' 8@ +#

.0 106,2 0- 2 7*7*7- 7*3 0-105,7 = 6.2-0 2 6.0 ;757 (A B 7/0 2/ : 03 2 ?0/= 60*75,24- ,;/0- 2 8 .,5. 6.0 *76,?0- : 790 6./073 7*3 60G6, 0 7;/,5-J 6.0=7 -2 4-0 6.0 ; 730 2 6.0 07?0- 62 52?0/ 6.0,/ .46- @ " & > ,- 6.0 ,*0-6 -105,0- 2 6.0 7 : , =J ,6- 1214 7/ *7 : 0 2)/7?0 0/#- 6/00 ,- 340 62 6.0 /0-0/?2,/ 2/ : 03 ;=6.0 07 -.076.- ,*8 .,5. 7 , : 1,3 7*3 /0-. 8760/ 52 056- 8 .,5. : 7= ;0 2;67,*03 ;=1,0/5,*+ 6.0 ;7-0 2 6.0 106,2 0 _1/2;7; =6.0 /7,* 8760/ 8 .,5. 7 - 2*6.0 ; 730 7*3 ,- 52*345603 ;=6.0 +/22?03 :,3/,; 62 6.0 -.076.,*+ 106,2 0S .0 ,*.7;,67*6- 2 737+7-57/ 5229 ,6- ;/4,-03 -003- 8,6. :, 9 7*3 1/017/0 7 ;/26. /2 : 6.0 : J 6.0 14 1= 7/, 2 6.0 -003 /0 : 9/ -7; 0 2/ ,6- : 7+*, ,50*6 ; 40 52 24/ =,0 3- 7*7;4*37*6 ?2 76, 0 2, .0 4,50 2 (6 ,- 52*-,30/03 ,* ;=--,*,7 7 -6/2*+ 3,71.2/06,5 _6.0 -4554 0*6 ,*60/,2/ 2 6.0 -60 : ,- 0760*J *26 6.0 /4,6 /7 47 ,- - : 7 3/= 7*3 4 2 ?0/= 7/+0 -003-S

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&&%F " 4)'5 9&&#'9 1 & - 4 #8)! 1 & H - M K 4

)" 9&&#'9

" 8 C+ X 2 I> '"39&5 H>&'"#/:'5 $%' '?$'"#3" '/!-23#)5 $%' #88'" :)/!3#) - O4 '.#7-839&5 .'"#7-839& 3" %-.37-839& % #8:'"#3" 3" &' #> #8:'"#3" 3" &9.'"#3"5 A>2'!!') & #8)'%#&2'8$5 3" 4,, V>#(/!(') /!,9>

;9 *CC 9
8*;?-98?9 ?94+ O;'O 0-*8A

GB*: I

;9 *CC 9 D, ' !B
C F9 +98B ;*+9=>A*4 8O / ;'O

;9 *CC 9
" 98+ 4* ?94+ O;'O 0-@ 9

/ " 8@ +

;9 *CC 9
O / 98

;9 *CC 9
9+* ;=?+6 9 ;

;9 *CC 9
* A5 *;='C ?+

F "
9B ; 980@?-* -9 =?4O =
?99=?

O8 ?@C98 O8# N C*8+ +9# ?98 *+9 O ;+98 ?9 : B 9 ;+? G2/!-? 798>*490@?# + 9 CO?+98 O8 @?@* A 407989 ;+# +79 +7 8=*;+98 O8# ?OB 9+ B 9?? 7?O8+98# B >8 4*+9 O8 8*89 A -* -*+9 ;*9?+ -*+ O ;* ; ;98 ?9 : B 9 ;+? C9+* O =* G23"3!!/ 5 B O89 O8 9??7 407989 ;+# @?@* A @8 ; ?79=*/ +7 ;**+*+79 >*?9 / +7**?4* 9 O8 ;94+*8 98O@?7 489?+#?C 8* A +/ ?+9=* ;* *9?+ -*+ O ;# O8 8*89 A -* -*+9# B *899?49 ;+# *;=* *:* ;* +/ ?+9=* ;* *:9 = N# 9C :A ! O@?# C98 :A ;O@?# O8 7ACO:A ;O@?* :#!/ '8$& ?@>@ *+9# @?@* A = *+9=* *+* +79 >*?9# 899 O8 4O ;*+9# *;=* B O89 O8 9??* =;*+9 +O +79 ;;98 C98 *;+7 ?9 : B 9 ;+? /8$%'"& ;+8O8?9# 49 9=#>*? O8 =O8? 59=#9894+O8 ;4@B >9 ;+# =97 ?49 ;49 O;: E +@= ;* - 9 +798 4OBC 9+9 A ?@C98 O8 G1-2 2#/ 5 O8 ?9B ;98 O8 G #$2/# #/ 5 O8 ;98 O8 G 8/:#/&&/5 #!!, '"7#/5 U9 I# M 99 9=* &$-!* ? BC 9# M :O;O@?# ?OB 9+ B 9? M C*8+ +9 * &$#7 /& M# ? BC 9# O8 8*89 A =# ?OB 9+ B 9? 9?7A O8 C9+* O =# ?+8* :7+# O8 ?C 8* A +/ ?+9=" 3(9!'& *;*+8OCO@?# ;@B 9 .O@?# ?98 *+9 *+ +79 ;;98 *;: 9 O + 79 49 ?# 708 <O;+* 98 *?49;= ;:# 8*89 A =9 ;+9 *;=* C9;=@ O@?7 8OB +79 +OC O + 79 49 ;+8* * ;: 9 G 8/8/&&/ - * M 49 9=>988A O8 *? 9C+ 4 =* A M -* -9=4*C?@ 9# 8*89 A 04@ 4 =* # 9;=O4*8C ! ?@* A ?9C*8*> 9 = @?@* A ;@B 98O@?# O> O;: G 9J /88#/5 "3'2%#8# 5 O8 ;9*8 G #$2/# #/5 #!!/8)&#/ 5 O8 O-O =* G "3 '!#/5 #!!K ,'"7#/ 5 O8 = ?4O =* G -2+/ 45 $'&$/ 49 @ *8 B #$2/# #/ 5 O8 9?7A G 8/8/&&/5 #!!, '"7#/ 5 O8 ?@>98O?9 G1-2%#/ 5 O8 ? FA G #!!/8)&#/ 5 O +9;O>+@?9 A *4@B ;*+9 *+ >O+7 9;=?' /!,9 '8 *8 ;*490@?* " -! C *49=O@+? =9 +79 * >@B 9;# ?+8* :7+ O8 700F9=# 8*= 4@ *8 9;=;9*8 +79 7 @B

P *7*7--7	P , ;0/+,7	P , 7*3-,7	P 4M:7**,7
P /2:0,7	P 57*6.2-675.=-	P k40-*0,7	P =59,7
P ,5.:07P	P P ,607,/*,7	P 7/7+4767	24//06,7

$ # ,* ;0,*+01,+=-24-10/,+=*24-2/.=12+=*24-7/0,*60/:03,760;06800* 2*2526=032*-
8,6.7 /00 7*3 6.2-0 8,6.7*73.0/0*6 2?7/= /26,+*,7/6.7-1 7503 6.0:,*6.0 5 7--2 "
8.,5.6.0= 711/275.,* 6.0 .0/;75024- -60:-.076.,*+ /73,57 07?0- 280/-,* 7 -1,90 2/ /750:0C
;/756076 0 T -0/,760 10/,7*6.-410/,2/ 2/ -0:,73.0/0*6 (50 03 2?7/= 254 ,5,37 = (?7 ?03 571-4 0 7*3
7/,*75024- 7 ;4:0*J ;46 JC7/0 -017/7603 ;= 6.0,/ 52:1 060 = 1067 2,3 10/,7*6. 6.0
2?7/= 50 -0,6.0/ 4*0>47 2/ /034503 62 2*0 6.0 -2 ,67/= 2?4 0 10*34 24- /2:6.0 621 2 6.0 0/6, 0 50
7*3 6.0 7G, 0 7*3 ,*5 4303 0:;/=2 * 6.0 26.0/ .7*3 $ # 7/0 *07/ 8.,5.
3, 0/ ,* 6.0,/ 0>4,67*6 3,-6,5.24- 07?0-6.0,/ 8.2 = 1067 2,3 10/,7*6.6.0,/ -67:0*-2 8.,5.6./00
2* = 7/0 0/6, 0 6.0,/ *3,?,303 -6,+:7 6.0,/ *26 7/,*75024-7 ;4:0* "5

$ # 7/0 7 :0/,57* 8.0/0 :2-6 7/0 01,1.=60- ,* 6/21,57 2/0-6-J 6.0= 7/0 :45./7/0/
,* .26 0G6/7 6/21,57 /0+,2*-
.0 /4,6 2 6.0;755760 "3 '/2'2 52*67,*- 5,6/,5 7*3 :7,5 75,3- 62 8.,5. ,6 280-7-6/,*+0*6
:03,5,*7 1/210/6,0- .0 /,10 ;0//,0- 2 -2:0 7;24*3 ,* -4+7/ 8.,5.+,?0-6.0: 7* 0G>4,-,60
7?24/ .0 ,*0 711 0 D 8/8/&) 5 6.0 :2-6 ,:12/67*6 -105,0- .7- ;00* ,*6/234503 ,*62 -,7 7*3
/,57 .0 /4,6 52*-,-6- 2 7 30*-0 -1,90 2 52**760 0-.= ;0//,0- 7*3 ;/756- 2/:,*+ 62+06.0/ 7*
2?2,3 2/ -4;+2;2-0 -=*57/124- 52* 124*3 /4,6 8.,5.,- -003 0-- 6./24+.54 6,?76,2* 7*3 5/28*03 ;=
7 64 6 2 07?0- O.0* /,10 ,6 ,- 4 2 7* 75,34 24- 10/4:03 -4+7/= 4,50 7*3 ,- 52*-,30, 03 2*0
2 6.0 :2-6 30 ,5760 2 /4,6-J ;46 8.0* 4*/,10 6.0 4,50 ,- 75,3 7*3 75/,3 7*3 :45.0-600:03
,* 6.0 *6, 0- 7- 7 ?0/:,4+0 7*3 3,4/06,5 "3 '!#/ #879#8 7*3 -0?0/7 26.0/ -105,0- 12--0--6.0
-7:0 1/210/6,0- , 78 02 _7?0/= -0*30/ ,7:0*624- :45.;/7*5.03 -105,0- 6.76 .7*+- ,*
.7,/ ,90 :7--0- /2:6/00- ,* 6.0 2/6.80-6 *3,0- 7*3 -246.0/* *,603 6760-S ,- 4-03 ,* :0/,57
,* 6.0 1/017/76,2* 2 7* 2,*6:0*6 4-03 ,* 57-0- 2 .70:2//.7+0J ,6- /7+,0 7*3 ?0/= 2*+ -60:- 301/,?03
2 6.0,/ 2460 /17/0*5.=:7 7/0 0:1 2=03 2/ -64 ,*+ :766/0--0- 4*30/ 6.0 *7:0 2 C?0+067;0 .7,/J#6.0=
7/0 7 -2 /0:7/97;0 2/ .7?,*+ *2 -1,/7 ?0--0 - #!!, '"7#/ $#82$3"#/ =,0 3- 7 =0 28 52 24/,*+ :766/ 743
6.0 ,*0 711 0 07 7* 0G6/0:0 =;0746, 4 -, 9= ,;/0

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G (? D% 9&&#'9 8 # 4 &' " 8 # 5 &' %#8/#

4 : &9.'"#3"5 #""'79 "5 H>&'"#/$' = B5?&' 7-8/8)"39&E 7
(/"#39&!-'/77!3 '"/$') # #8:'"#3"5 N>2'!!')5 <#$%' (. /"#'$/!' .!/2'8$/&"
89 '"39&5 /8/$"3.39&' = 89 '"39&5 &2),#:3" 5 '?/!,9+#839&' -'
#89$' 8 = %'",/2'39&' :#,"39&5 3:$'8' $9,'"2!'#]' M "/)#2/!' 3"'
/!$'"8/$'5 &%'/$%#875 &3 '$# '&'&2/!'>!#%' : * 9&9/!!-'#8'/'&.#F'3"'"/2' '

847 ?
280/8,6.2466.02?7/=D:7+F
+:B*0' @' 9+;*4@ @B*' ' ;+798 9 "
8' 0!4; B*??#

847 ?
08+0;'0'*'C 9;'
B*??'GB*:#I

847 ?
%97?49;+' 8@+#' 9*-;:' ;'
+79 8'C*49'+79'MB9=*.'
;98-9?'0'+79'4*8C9?

847 ?
20*:7-0:7*3/06,*7H
544:D:7+F

65 & & (
;+798' /+70@+'+79'CO 9;'
B*??'GB61
(

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CO 9; B*??9?
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, ' ' 55 E

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5 / ! ' % ! '
0 / 98 ?99 :' .' 80 : +# ?70 / ; :'
+79 ' *>9 '@B' :' +?' ;08B * ' :'
C9+ + 0 ;

0 / 98#

*;=' 40 0@8 ;:# 89R@9;+ A' 70 0/9=' *+' +79' >*?9' ;+0' *' ?*4' 08' ?C@8D' % 0 ' +79'
>9 @B'@?@ A' M 0>9=# ?0B9+ B9?' 9;+ 89")#&F' ;*F9=# 4* 0@?# :*;=@ *8' 08' *B E
;*+9 ' $ 1 -' *;=' ' *=;*+9' ;+0' *' 40 @B;' D7-83&$'7#9 5 0 ' /7 47' +79'
*;+98 08' *49# 0CC0? +9' +0' +79' *>9 @B6' *;=' +98B ;*+9=' >A' +79' ?+ :B*# >9 0;:?' +0' +79'
?@>?+*;49' 0 '+79' ?+A 9# /7 9' +79' =08?*' *49# +98B ;*+9=' >A' +79' *;+798?# >9 0;:?' +0'
+79' *;=84 4 @B' - ' @?@* A' ;08B* A' 0;9# 0CC0? +9' +79' @CC98' ?9C*# *;='
440BC; 9=' >A' +/0' 8@= B9;+*8A' ?+*B9;?# 89=@49=' +0' ;40;?C 4@0@?' 08' 0>?0 9+9'
C80B ;9;49?# -98A' 8*89 A' +7989' *89' ';08; *'?+*B9;?' 0CC0? +9' +0' +79' ' *+98*'C9+* ?'
D -."#.')#9 I" /8$%'" 49 9=' G08' H 49 9=' >A' *>?08C+ 0;' 0 ' +79' ?9C+@BI' 08' 49 9='
>A' B089' 08' 9??' C98 94+' ?940;=*8A' ?9C+*# ?=B9+ B9?' = - =9=' 08' B@ + 049 ! *+9' >A' +8*;?E
-98?9' ?9C+*# 9894+# 08' ;4 ;9=' *;=' 40-989=' >A' +79' 40;4*-9' +0C' 0 ' +79' :A;0?+9: @B'
G2 8/8)"#9 I" .3!!'8'*:: 0B98*+9=' ;+0' _ 6 ' B*??9?' G.3!!#8#/ 5 0=:9=' ;' +79' B9BE
>8*;0@?' C04F9+?' 0 '+79' *;+798# *;=' 40BC0?9=' 0 ' :8* ;?' @?@* A' 40 94+9=' >A' 0@8?'
;+0' ;@B980@?' :80@C?' G /&&'& 5 40798 ;:'>A' B9*;?' 0 ' 9 *?+ 4' *B9;+?# 08' :*+7989='
80@;=' *' 49 @ *8' *5 ?" 7"/#8& ?@> C@ -98@ 9;+# 9*?' A' ?9C*8*> 9' 08' *::@+ ;*+9=' ;+0'
*' ?0 =' 40BC*4' /*5A' + ??@9"' .3!!'8> /SC'& ?0B9+ B9?' 899# @?@* A' 59=# 9 +798'
= 894+ A' 08' >0 ' B9*;?' 0 '*' 49 @ *8' C9= 49 ' B2/9)#2!' 5 +0' *' - ?40@?' :*;=' G"'$#8/29!9 '
>9 0/'+79' *;+798# ;*F9=# 08' 9;4 0?9=' ;' *' B9B>8*;0@?' 0 =' 0 ' +79' ?+A *8A' ?@8 *49'
D,9"&#29!2# ' - ' ; 98 08# H 49 9=' GB089' 8*89 A' 49 9=I# 0 ' M' 40;;*+9' 4*8C9 ?'
/ +7' C*8 9+*' C *49;+*+ 0;# ?0B9+ B9?' ?@8B0@;+9=' >A' *' 4@C@ 9' G*;* 0:0@?' +0' +7*+' 0 '
/8$/!/2'2' E ?+DP 9' 40; @9;+' / +7' +79' ?+*B9;?# 044@CA ;:' +79' *49' 0CC0? +9' +0' +79'
*>9 @B# C80=@49=' *+' +79' +0C' ;+0' *' C80B ;9;49' 08' 9?7A' >9*F' G"3&$'!!9 E &$#7 / 2'
&9":/2'" G7-8#?9&'0> R@9# 40;4*-9# -? 0@?# 40BC0?9=# *4408=;:' +0' ' 80/;# 0 ' M'
?+ :B*?# @?@* A' 40; @9;+# >@+' ?0B9+ B9?' = ?+ ;4+' *;=' 0CC0? +9' +0' +79' ?9C* ?" 3(9!'&
;@B980@?# ?708+ A' @; 4 9=" *;*+80C0@?' ' B9B>8*;0@?' 08' 408 *490@?#
4A ;=8 4# 0-0=' 08' / ;:9=# 49 9=# =97 ?49;49' -98A' -*8 0@?# B0?+ A' >A' M ?9B '
C *49;+ 980@?' -* -9?# / 7 47' ?9C*8*+9' 80B' +79' M C98? ?+9;+' B =8 >?' 0 ' +79' 4*8C9 ?#
+79' *++98' 89B* ; ;:' @; +9=' *+' +79' >*?9' *;=' *C95' ' -98A';@B980@?# -98A'
B ;@+9" $'&$/' 00?9# 89+ 4@ *+9# ?0B9+ B9?' 48@?+*490@?' *;=' > *4F' G6/8#!!/5 -"$3&#/]'
" -! '95* >@B ;0@?# 9?7A

! ' /

0 9;' 407989;+' ;' /*5A' B*??9?# *CC 9=' = 894+ A' +0' +79' ?+ :B*# / +70@+' *449?E
?08A' 49 @ *8' + ??@9' ;+798' +98B ;*' 08' 0C984@ *8 1 C C7A+9?# 08' 8*89 A' +9889?+8 *'
C *;+?' C?9@=0 >@ >?' 08B9=' >A' +79' 40;;*+9' 9* >*?9?' *;=' +7 4F9;9=' ?+9B

' ! " %' #

9@8O+7* ?'	*?=9-* *'	%9;=8047A @B'	9= 0;@B' +9 ?
562*,0/,7'	7 7G,-'	12/,,:'	017*6.0-'	,17/,-
C 0*3/2;,4:'	/,7'	.= 2-,1.2*'	2 ;21.= 4:'	,//.21067 4:
2 =-675.,7'	;0/2*,7'	C 7 =1-2		

! ' ' 1 1 A

0 9;' 40798 ;:' ;' =9 ;9=' /*5A' B*??9?' 9 @ *8' B9B>8*;9' C80 0;:9=' ;+0'
9 *?+ 4' 4*@= 4 9?# 0 +9;' 0 =9=# / +70@+' +8@9' : *;=?' ;+798' +98B ;* # 0C984@ *8 6

! ?@* 9C C7A+9?# 4*@ 9?49;+ 08 C?9@=0 >@ >0@?# 8*89 A @8; ?79= / +7 9?7A 8OO+?

20 2+=*0	2*0/7	7/90/,7	766 0=7	?0 ,*7
.2 ,3267	0G730-:,7	/24+;62*,7	5;2*,;4/+9,7	-25;,4-
,*0:7	.=-,-	016260-	06,7	,26;2*07
21;/2*,6,-	-0 ,7	176;2+ 266,-	1,30*3/4*,	,7 4-

! 1

0 9; 40798 ;: ; =9 ;9= / *5A B*??9?# 59= * +98 0 / 98 ;: +0 *4*@= 4 9 *;= 89+ ;*4@ @B ;+798 +98B ;* # 8*89 A =08?* # 0C984@ *8 1 C C7A+* # 8*89 A +9889?E +8 * # 4*@ 9?49;+ G9?C94 * A +79 B98 4*;? C94 9?I# 08 C?9@=0 >@ >0@? G9?C94 * A+79 ? *+ 4I 9*-9? 0 +9; 9B*8: ;*+9 *+ +79 + C

4 21.,7	, 4:*7	/2; 7	2/:230-	7 07*3/7
,5.607	4*6 0=7	=0.*20;0-	=/6210/7	0/*7*30M,7
h=+21067 4:	=/62123,*:	,--25.,,4-	*5,3,4:	O7//07
26= ,7	7*37	/*,6.,3,4:	,//.07	0*7*6;0/7
32*62+ 2--4:	7G, 7/,7	7:7/26,-	/7--,7	,5/=167
/*,6.2501.7 4-	7252 7;,4:	, 62*,7	=57-60	23/,+40M,7
7/57*6.4-	67*;2107	7:7/,3,6,:	4/ ,*+62*,7	,5025 730-
2,, 06,7	571.,+ 266,-	!2*21-,-	*+/0054:	0/,-60/,7
2 7G	7 7*6.0	7/5730*,7	2?0*,7	7 0266,7
;7 -0*21-,-	27*6.21;,11,,,:	2*+2/7	760-06,,:	*-0 ,7
5/210/7	0/,21-,-	20 ,7	/,5;21, ,7	/,+2*,3,4:

! 6< +' 6

0 9; 40BC0?9= 0 ;=9 ; +9 B*??9?# @; +9= ;+0 C0 ; *>A *;9 *?+ 4 40> / U> F9 *5 ?# *:: @+ ;*+9= +0 *89+ ;*4@ @B ;+798 +98B ;* # 9894+ 08 894 ;*+9# C98? ?+9;+# / +7 C98 94+ 49 ? 1 =>889?+8 * C *;+?/ +7 +@>98O@? 8OO+?

/5.,-	50/7-	1./=-	=:173 *,7	7;0*7/,7	*757:16,-
0/71,7-	76=/,,4*	*6716.0/7	2*7607	,+/,60 7	0/,-6=,,-
2 26./,G	7/6.2,*7	,-7	,-10/,-	60/=+23,4:	5.,M23,,4*
0*6;07	0/-5.0,7	2/=5,4:			

! <

0 ; *?@7 C@ -98@ 4;+ 08 08B9= 0 *;:@ *8 0>@ 9?# 59= >A +79 8 >*?9L# 08 >A *C0 ;+ >9 0/ +79 +0C ;+798 +98B ;* # 0C984@ *8 1 !?@* A +9889?+8 * ?+9B 9?? C *;+?# 08 4*@ 9?49;+ *;=?*8B9;+0?9# ?0B9 *C7A 0@?**;=C*8*?+ 4

,:232/,,:	01.7 7*6;0 7	C76;2+ 266,-	40;,*7	2;/7,7	7*, 7 C
7 730*,7	2/=-7*6;0-	2--23,7	60/2-6= ,-	,5/26,-	7 0=7
-,7*6;4-	2+2*,7	.,2+ 266,-	. 2/-07		

KY 6/8#!!/$ / +7 C8O>*> A /&#"2)#/5 .#.37 5 "-$%3"2%#&5 -"$ &#/5 *;= ?0B9 O+798?# 08B?* *-98A= ?+ ;4 +8 >9 G6/8#!!'$' 0 "'%#)'W& 1 K

! ' " ' +

0 ; *' ?@> C@ -98@ 9 ;+' :8*;@ 9?' OO?9 A' 407980 / # X# 89+ ;*9@ @ ; ;+7988' C*8* 9 '+0' +79' ?+ :B*# C98? ?+9;+# 49 7' 4 0?9' +0:9+798 1k 9889?+8 * ' C *;+?# / +7' *?4 4 9=' >80@?' 08' +@>980@?' 800+?# ?0B9+ B9?' 9C C7A+9?# ?0B9+ B9?' *C7A E 0@?# 08' C*8*? +9?'\' 89?9B> ; :' "3%/8'%'2'

' 6 '

2*6.,00?7 '	/0-5266,7	,-60/7 '	0266,7	1,1756,-	1,/7*6.0-
60*2/.=*2.4-'	0 0G,7	223=0/7 '	*-05625., 4-	.=-4,04-	h04G,*0
,4,,-'	/6.25, 7-	/7-21.= 7 : '	.0 = :,6/7		

! ' " ' 1 +

;+798?' # *+98* # >0+7' 98E + 9# +79' ;+98B9= *+9' 0;9' C9+* ' 0 = ' 0 9;':8*;@ *8# ?0 +9; ;:' =@8 ;:' 98+ <*+ 0;' + :B*' = - =9=' ;+0' M*890 ?9' OCC0? +9' +0' +79' ?+*B9;?

'

=1/,103,4 : ' /2103,4 :
0 0*,103,4 :

& ' 8.,5.' 2/:' 2*0' 2 ' 6.0' :2-6' *764/7' 7:,,0-' 2 ' 6.0' 0+067;0' ,*+32:' .7?0' 67G03' 6.0' -7+75,6=' 2 ' 24/' :2-6' 0:,*0*6' ;267*,-6-B 4106,6 ' .247/- /28*' ' ,5.7/3 4:0
,*3 0=' "5' .0=' 7/0' 0-105,7 =' /0/ :7/97;0' 2/'6.0'54/,24-=' ?7/,03'-.710-' 7*3' 52 24/-' 2 ' 6.0,/' 10/,7*6.' 8.,5.' /0-0:;0-' :2-6' 3,--,:,7/' 2;056-B 7-'7' .0 :06' -,110/' =';00';006 0' 7' ,66 0' :2*90=' "5 B 7*3' 6.0' /0 76,?0' -,MO-' 2 ' 8.,5.' 7/0' -2 :06,:0-'0G6/72/3,*7/,=' 3, H 0/0*6' DA 5 & (B' .0' 7*3/205,4 : _8.,5.',-' +=*7*3/24-' ,90' 6.76' 2 ', 0' " ' 617+0' '$<F'6.0' 12 0*' 7++ 2H :0/7603',*62' :7--0-'7-' ', "5 & :' D17+0' <E(F'7*3'6.0'4*3,?,303' 0:;/=2' 7/0' 7 ' 0G5016,2*7' 5.7/7560/-' 8.,5.' :,+.6' /0*30/' 6.0,/' 12-,6,2*',*'6.0'-=-H 60:' 324;6 4 ' 80/0' ,6' *26' 6.76' 6.0' -6/4564/0' 2 '6.0,/'-60 : '6.0' *0/?76,2*' 2 ' 6.0,/' 07?0-' 7*3' 6.0' 7//7*+0:0*6' 2 ' 6.0,/' .0G71.= 24-' 7*3' T -0/,760' 10/,H 7*6.'0?,30*6 ='1 750'6.0:'7:2*+' 2*2H

5 5 & ('5 "

526= 032*-' *52 : 1 060' 7-' 6.0,/' 7*3/205,4 :' 71107/-' 6.0' 60/*7/=' 6=10' 2 ' : 2-6' 2*2526= 032*24-' 7 :,, ' : 7=' =06';0' 6/7503',*',6' 552/3,*+' 62' 6.0' -7+75,24-' 2;-0/?76,2*-' 2 ' ' /28*',6',-' 52 : 12-03' -2 : 06,*G

OON

: : 7 2/ 10/0**,7 ! 60//0-6/,7 2/ 17/7-,6,5 ?0/= 8079 +,00* 8 6,-. 2/ 1,*9 71.= 24- /7/0 =-7/ : 0*62-0 7*3 ;07/,*+ 07?0- " 8 ,* 7 T ,3 : 7*= 280/03 5=: 0 2/ T 280/03 ?0/= ?7/,24- ,* 52 24/ 7*3 ; /7560760 2 ! 6 -410/,2/ 1067 2,3 64;4 7/ 64;0 /0+4 7/ 2/ +,;;24- J !# , 2 < T -0/,760 -0+ : 0*6- 6.0 ,**0/ - : 7 0-6 6.0 2460/ -2 : 06,: 0- ?0/= 2*+ G .+3 '"#& - ,*-0/603 76 6.0 621 2 6.0 64;0 2/ 2*6.0 6./276 2 6.0 10/,7*6.J :#!/ '8$& 3,-6,*56 2/ : 2*730 1; 4- G %#& #/ E /8$%'"& 8,6. T 3,-52**05603 50 - ,*6/2/-0J 2388'2$#(' 3, 7603 ?7/,24- ,* 2/ % ,* 0/,2/ 50 03 8,6. (17/,067 1 750*67- 2/ 50 03 8,6. (7G, 0 1 750*67- J &$-!'-,: 1 0 -1/,*+,*+ /2: 6.0 6.,590*03 621 2 6.0 2?7/=J &$#7 /& (T (,3J 3(9!'& *4 : 0/24- F"'' 5/28*03 ;= 6.0 : 7/50- 50*6 10/,7*6. 60/060 2/ (7*+ 03 (8,*+03 : 0 : ;/7*24-J -2 : 06,: 0- 50 03 210*,*+ 76 6.0 621 2/ 2* 2*0 -,30 ,*62 6./00 -0 : , 1 750*6, 0/24- ?7 ?0- J -2 : 06,: 0- (50 0R 210*,*+ 760/7 =;06800* ,6- 7*+ 0- ;= 6/7*-?0/-0 - ,6- 2/ 7 1=G,3,4 : *4 : 0/24- - : 7 2; 2*+ -2 : 0 6/4*5760 7*3 : ;, ,5760 76 6.0 0*3 6.0 26.0/- 12,*603J $'&$/ 7G " - !! : ,*460 4*3,?,303 50 4 7/

9" /88#/2'3 2/ : 7 - : 7 80 : 7/903 +/241 /2 : 6.0,/ 17/7-,6,- : 7*3 2/7 -6/4564/0 7*3 7/0 52**05603 2* 6.0 2*0 .7*3 8,6. 2$22/2'2'5 7*3 2* 6.0 26.0/ ?,6. "#&$3!32+ '2'5 7- 80 7- 8,6. 6.0 .,M7*6.24- 1 7*6- 7 ,03 62 6.0 7660/ /24*3 9" /88#' < 1/210/ ?7/,24- 26.0/ +0*0/7 : 7=;0 +/24103 7- -056,2*- 2 6.0 /30/ 7- 2 28-@B

6 , , 1/210/ B 0//0-6/,7 1 7*6- +/00* 7*3 07 = 2/ 3,-52 24/03 7*3 71.= 24- 0/,7*6. 2 < -0+ : 0*6- 6.0 (2460/ 8,*+03 67 : 0*- (2112-,60 62 6.0 ,**0/ -0+ : 0*6- ?7/= (50 03J -6,+ : 7 ((@"" 88#/5 38-/8$%'&5 '.%"323)9

$ K 5 ,-52 24/03 71.= 24- 1 7*6- 0/,7*6. 10/-,-60*6 2/ 5734H 524- 8,*+ 0-- 67 : 0*- (?7/= 50 03 .$'"#/5 #2$-3&#'7#/5 - 83&#.%385 '8#$J#/5 - #3'/".9&

- 5 ,-52 24/03 71.= 24- 1 7*6- 0/,7*6. /0+4 7/ 2/ +,;;24- 8,*+H 0-- 67 : 0*- < : 2*730 1.24- 2/ /00 ?7/= 50 03 71-4 0 210*,*+ 6/7*-H ?0/-0 = %#& #/5 .%#3 '"#&5

6 - 5 '/00* 07 =-7/ : 0*62-0 1 7*6- 07?0- 52/3760 /0-0 : ; ,*+ 6.2-0 2 1# &'3"'2 2/ #!/?' 0/,7*6. 8,6. < 3,?,-,2*- 67 : 0*- < ?7/= (00 03 71-4 0 ,*07/ 0 2*+7603 : 0 : ;/7*24- 6/,>406/24- $'83 '"#& 4

$! KW5(27 0 : 2*205,24- 1 7*6- 0/,7*6. < : 0/24- 67 : 0*- < ?7/,0- *4 : 0/24- /00 2* 7 /24*303 /0501675 0 2?4 03J -6= 0 760/7 7*3 ;7-,7/ /0-0 : ; ,*+ 6.0 57/10 - 7*3# +=*21.2/0 2 7 6/78;0//= 2#/.%#!/5 '?9"#&5 "#9"#&5

: (.7?0 ;00* 1 7503 *07/ ! & ;= -0?0/7 ;267*,-6- 2* 75524*6 2 6.0,/ 4*3,?,303 0 :;/=2 /0345036 2 7 ,66 0 50 4 7/ : 7--C8.,5. 71107/-62 ;0 0*6,/0 = 7/ : 03 2 6.0 6,+0 4- .0= 7/0 7 ,03 62 / & ;= 6.0,/ ; ,0/24- T -0/,760 10/,7*6. 6.0,/ 6/,7*3/27- 7*3/205,4 : 7*6.0/- 8,6. 0*+,

: < & 7*-9 ++ 9 * ;+A / +7 K('*;=>9 0;:+0 +79 CO4*8CO@? ?98 9? 0 0;040+A 9=0;? G/7 47 ?99I# 1 ;

643,*7 30.,-50*50 ,* 0/,2 & 50 03 2?7/= 7*3 & 3, 7603 -6,+ : 7- .0= .7?0 7 -2 -2 : 0 52**056,2* 8,6. ! 0 ,2/ 2/700,L D8.,5.-00F

$" " 6 +/28 ,* 37 : 1 7*3 +/7--= -2, - .46 : 2-6 2 6.0 26.0/ +0*0/7 ,?0 ,* 6.0 -.730 2 7/+0 A2/0-6- 2* ?0+067 ; 0 306/,64- 7*3 7/0 10/.71- 17/7-,6,57 .0= ,*.7 ;,6 6.0 6/21,57 /0+,2*- 2 -,7 7*3 :0/,57 0G60*3,*+ ,* 6.0 08 O2/ 3 62 ('m *2/6. 76,6430 .0= 7/0 7 -2 :06 8,6. ,* 737H +7-57/b

.0 .0/;- 2 6.,- 7 : , = 7/0 - ,+.6 = .,660/ 7-6/,*+0*6J 6.0= 7/0 *26 9*28* 62 12--0-- 7*= 4-0 4 1/210/6=

) A

L G4 "'&! 1 4 #8)!

K

0 8 Y 2 &<.'"#3"5 .'$/!3#)5 > '"39&5 H>&'"#/$' - O, 3 - 2382/('' /)8/$'' $3 $%'#'' 2382/('' :/2' ? #8:'"#3"5 Y>2'!!')5 <#$%' M./"#'$/!.!/2'8$/&' 89 '"39&5 /8/$"3.39& 3'' &' #>/8/$"3.39& & 89 '"39&5 /!,9 #839& 1 ! <#$%'"/)#2/!'!/('&' ('#8&'"'$#2$)/$' 989;; * ?+9B 9??' ! / +7'*' +@>980@?'87 <0B9' * * 8*= D4* .'$#3!'' ?9B ?79*+7 ;:' ?0B9+ B9?' 9;+ 89# ?0B9+ B9?' C* B ?94+' 08' > C ;;*+ =# / +7' C80B ;9;+' ;98-9?' 0 8 '# 89:; *8# ;'*;' ;-0 @98*+9' @B>9'0;'+79' +0C' 0'* ? BC 9' 4A ;=8 4' 08' *;:@ *8' ?4*C9' #8(3!92"'' 0 *490@?# C7A 0@?' .')#2'!& H' 0/989=# 0;:# ;*F9=# ?9-98*' 0/98 9??# 9 0;:*+9= 08B# 08' B 59=' / +7'+79' 98+ 9' 0;9?' 2 '?@C98 08# C9+* 0 =' &'7 '8$& 5 ?98 *+9# 9R@*' 08'+79' ;;98' *' ++ 9

<
+*B9;♯9;+89‘*;=‘4@+‘-98+4* A‘GB*:I

<
Y ?+‘*;=‘*;=8O94 *B‘4@+‘-98+4* A‘
GB*:K,

<
99=♯9;+89‘*;=‘4@+‘-98+4* A‘
GB*:I

, O9 ‘ ‘ !B>9‘0‘0/98?♯B 59=‘/ + ‘?+98 9‘ O8B‘C9=49? GB*:I

6.0 7/+0-6P 10/-,-60*6 + ! < ,*-0/6032 76 6.0 ;7-0 2 6.0 -0+ : 0*6- :#!/ '8$&
3, 7603P ?74 603 2/ 4 760 76 6.0 621J /8$%'"&,*6/2/-0J 50 - T 3,-67*6P 17/7 0
73*760 62 6.0 57?,6= 2 6.0 , 7 : 0*6- /00 76 6.0 621 -6/7,+ ,6 2/ ,*54/?03 30.,-50*50
2*+,643,*7 % " ; ,* 0/,2/ 50 03 2/ ,*52 : 1 060 = (50 03J .!/2'8$/& (
17/,067 *0/?, / : 2/ T%2;03J &$-!' -.2/6 6.,59J &$#7 / 2/;,54 7/ 2/ 301/0--03
A8,6. &673,46,*+0 : 7/+,*760 2/ ;, ,3 2;0- 3(9!'& *4 : 0/24- -0?0/3 -0/,760P -4;H
7-50*3,*+ 7*3 7*76/2124-P 2/ .2/,M2*67 7*3 -0 : , 7*76/2124- & 4 : ;, ,5760
;= 6.0 10/-,-60*6 , : ; 2 6.0 10/,7*6. 50 03 2/ ,*52 : 1 060 = (50 03
2?2,3P 7*+4 7/ 2/ 4*760J $'&$/ 52/,75024- -6/,760P 07-, = -017/7; 0 /2 : 6.0 : 0 : H
;/7*24- 0*321 04/7J /!,$# '8 0-.= " - ! 0G50--,?0 = - : 7 2?2,3 ,*5 4303
,* 6.0 7;4 : 0* *07/ 6.0 ;7-,7/ .,4 : 2/ 3,-67*6 /2 : 6.0 ?0*6/7 .,4 :

X 7507 P 6755,7

,6 3 0= .7- 1 7503 7*3 C # ,* .,- 5 7-- + -2 57 03 2* 75524*6 26
6.0 /06,54 7603 *0/?0- 2 6.0 07?0- 8.,5. /057 6.0 *0/?76,2* 2 ,526= 032*- 8.,5. 6.0= ;0-,30-
/0-0 : ; 0 ,* 6.0 -6/4564/0 2 6.0 -60 : 8.,5. 1/0-0*6- ;/2 ?7-54 7/ ;4*3 0- 7//7*+03 8,6. 62 0/7; 0
/0+4 7/,6= 7/14*3 7 50*6/7 1,6. 3, 0/ /2 : ,* .7;,6 52* 2/ : 76,2* 2 6.0 -67 : 0*-
7*3 50 03 2?7/= .0= .7?0 7* 7 ,*,6= 8,6. % ((" ! ! /
1/,*5,17 = 24*303 2* 6.0 *764/0 2 6.0 07?0- 7*3 /28* 52*-,30/- 6.0 : ,*60/ : 03,760 ;06800* 6.76
7 : , = 7*3 # Q'
, *.7;,6 : 24*67,* 2/0-6- 2 -,7 /,57 507*,7 D7*3 4,7*7 7552/3,*+ 62 7*5.2*F
! D ,- 1/,*5,17 = 24*3 76 6.0 : 246. 2 37 : 1 7*3 -.73= ?7 0=- 2 6.0 507*,5 - 7*3-J,6
,- 54 6,?7603 2/ ,6- -67/5. = 64;0/- 8.,5. 4/*,-. 6.0 ,- 7*30/- 8,6. 7 -2/6 2 //28/226 .0 7.,6,7*-
1/017/0 /2 : 6.0 2/7 -5710- 2 6.0 7 ?0/= 8.,60 7*3 -.,*,*+ -6/78 8,6. 8.,5. 6.0= 2/ : .76-
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*] % : <& 9.':#3"5 .'$/!3#)5 I> ="39&5 H>&'"#/$' = (3..3&#$''$3 $%'' 39$'"".'"#/8$%>&'7:8'8$&E =' ?$"3"&' # "#8:'"#3"5 3:' (/8->' 3(9!')'''!!' K= /8/$"3.39&' = !329!#2#)/!$- >(/!(') = /!,9 #839& 8 = %'",/2'39&' 'M9#$/8$3"&%'/$%#875'8&#:3" 3"'!#8'/"
989;; * / +7 *' +@>980@?' 08' >@ >0@?' 87 <0B9,'8*89 A / +7 >80@?' 800+?#
-98A' 8*89 A' ?@ +.@+9?49;+ . 9 /' : *>80@?#' ?0B 9+ B 9?' C@>9?49;+' 08' -9 -9+A
49;+8* #' D0 ;+9= 08' ;0+#? B C 9' 08' >8*;479=#?0B 9+ B 9?' ;9*8 A' $' M
@?@* A' * 8*= 4* ,' 9R@ +*;+#' = ?+ 470@?#' 9@? 08B' 08' ;9*8#' *;:@ *8#' 9;+ 89#' *+#'
08' 0 =9=' 0;: +@= ;* A#' +79' 4*@ ;9' * +98;*+9#' ?79*+7 ;: * #' 89:@ *8'
08' 889:@ *8#' +98B ;* #' ;' *' ?C F9' 408AB >' 08' 00?9' C*; 4 9#' 8*89 A' ?0 +*8A#' 9*47'
@8; ?79=' / +7' G8*89 A' B089I' ?C*+7*490;?' >8*4+?#' @?@* A' ?4*8 0@?'' #8:!3"'&2'82''
/ +7' *' =0@> 9' ?@> 0 D*490@?' >8*4+' : K' ?@C98 08#' C9+* 0 =#' +@>@ *8#' G =
08' C*8+ +9#' 89:@ *8' 08' ! > *> *+9'' &'7 '8$&' ?98 *+9#' 9R@* #' 08' +79' ;;98' ?B * 9?+#

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% *: 8*7 #‘ ?70 / ; :‘ +79‘
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3,--, : , 7/ ?0/= /7/0 = 7/+0-6 3)/ ,- 02F4-47 =
4+75,24- -2 : 06, : 0- 68,-603 -1,/7 = 7 60/ 280/,*+ 743
10/-,-60*6 ` 8 & (- , " 9 " 5F
60-6,/76,2* 68,-603 - 4 & 01,+=*24- 2/ ,*-0/603
0,6 ,0/ 2* 6.0 64;0 2/ 66.0 ;7-0 2 6.0 2460/ 10/,7*6. -0+ : 0*6- J " 3,-6,*56
2/ : 2/0 2/ 0-- : 2*730 1.24- 8 > & 4 L ((9 V B T
50 03;7-, 2/ 32/-, ,G03 7*3 =0/-76, 0 2; 2*+ 2/ 2?2,3 2/ -7+,66760 30.,-50*50 2*H
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6.0 03+0 6.0 -0164 : -2 : 06, : 0- 52.0/0*6 ,* 7 10/-,-60*6 50*6/7 /00 52 4 : * D8 & (B -47 =*4 : 0/24- -4; + 2.2-0 2/ _4-47 = .2/,M2*67 =S 52 : H 1/0--03 -2 : 06, : 0- : 7/+,*03 2/ 8,*+03J : 0 : ;/7*24- 22-0 2/ 1710/= -2 : 06, : 0- 52/,75024- 2/ 0- .=J -5 4-47 = /00 2/ 07-, = -017/7; 0J " 0- .= 2/ 57/6, 7+,*24-J -2 : 06, : 0- -4; . /*= " - ! 1 7G, 0 2/ 52*50*6/,5 4-47 = .7 6.0 0*+6. 2 6.Q 7 ;4 : 0*J & " /075.,*+ 62 6.0 ., 4 : -,6476,2* ?7/,7; 0

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66 2 ! % 3 ! ! A 3 ' B)), ! ' '"%'"##/5 _ #'9&&'9?#W A'_ #7"#)#/5 _ '""/"#/5' /$'"&38#/5 _ #&-"#82%#9 5 _ '!/&#8'5>_ -)"3$2'8#/5 = 3

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"#)'/'7/0 3,-6,*+4,-.03 /2 :'26.0/ 2*2526= 032*- 8,6.', * 0/,2/ 2?7/,0-; =6.0,/ 6/,*7/= 7*3/205,44, OG6/2/-0 7*6.0/- 623 6.0 1067 2,3 -6,+ : 7- 2 ' : 2-6 2 ' 6.0 +0*0/7 .0= .7?0 -2 : 0 7 ,*,6= 8,6.' : d /$ #/2''"7*3 $2' 3)3"/2'/ D8.,5.'-OOF

"#)'W '7/0 : 45.' : 2/0 OG6/7 6/21,57',*' ;26.' .0 :,-1.0/0- 6.7*' 6/21,57'D 246.' /,57 2*67,*- 7 +/076 *4 : ;0/ 7*3 ?7/,06= 2 '-105,0-'7-'320- OG,52' .46 6.0= 7/0 /7/0 ,*' -,7' 7*= +0*0/7 7/0 OG5 4-,?0 = /,57*' D ./"/?#&5 6#' &&'9?#/5 "5 F' 2/ : 0/,57*' D #&-"#8'%#9# 5 $-)"3 &8#/ 5 2/ 4-6/7 ,7*' D /$'"&38#/ 5 8., -6 -0?0/7' 26.0/- 7/0 3,-10/-03 2?0/ 4-6/7 7-,7 7*3 6.0 : 0/,57*' 52*6,*0*6' #&' ,*.7;,6- 6.0'*2/6.'60 : 10/760 /0+,2*- !/)#3!9&7*3 "#2%38'$ 5 8.,5.'7;24*3',*' 246.' /, ,.'73?7*50 7- 7/ 7- 6.0 03,60//7*07*' /0+,2*' 7*3 0*6/7' 4/210' "329&,*.7;,6- -4; 7 1,*0 /0+,2*-'7*3'6.0'1 7,*- 2 ' 4/210 7*3 60 : 10/760 -,7'

.0 64;0/24- 2/ ;4 ;24- /.,M2 : 0- 2 ' #)'2'' 52*67,*' 7 - : 7 ' 1/212/6,2*' 2 ' 7 766= 7*3 75/,3 : 7660/' 7*3 7 7/+0 >47*6,6= 2 '-67/5.'52 : ;,*03 8,6.' 7'1054 ,7/ ?2 76, 0 2, ' 8.,5.' +,?0- 6.0 : -6, : 4 76,*+ 1/2H 10/6,0- 2 : 0 -105,0- /-0 6.0, 75/,3,6= ;= 3/=,*+ 2/ ;2, ,*+ ' 7*3 6.0,/ 64;0/- : 7=; 0 4-03 7- 0 : 2 H ,0*6- 2/ 0?0*' 7- 223J -45.'7/0 -0?0/7' 246.' /,57*' -105,0 - 8.,5.' 7/0 0760*' ;= 6.0 2660*626- .0 /.,M2 : 0 2 "#&':!3"'8$ /',- : 03,5,*7 = 6.0 6,,2[6 , : 12/67*6 2 '6.0 7 : , =J 8.0*' /0-.',6 ,-7-6/2*+ 14/+7H 6,?0 J 3/,03',6-6, : 4 760- : 230/760 = 6.0 14 : 2*7/= 7*3 +7-6/2 ,*60-6,*7' : 4524- : 0 : ;/7*0-J ,6 0*60/- ,*62 -0?0/7'1.7/ : 75046,57'1/017/76,2*-' 7*3 ,6-?,2 06 -50*6 ,- 7 80 9*28*' 10/ 4 : 0 _ //,- /226SJ ,66 0 ;7 -2 ',6 57 03 /,-'101-' 7/0 4-03 62 : : *67,*-4114/76,2*' 7 60/'57460/= '7'" $#2/' 7*3 . /!!#)/' 80/0 2/ : 0/ = 4-03 7- 3,4/06,5- 7*3 1./+76,?0- .0 64;0/- 2 ' 6.0 7+ 2/ 2+ /,- D ' &'9)>/3 "9& 5 6.0 67-60 2 '8.,5.',- 75/,3 7*3 7- , *+0*6'7/0 -6, '73 :,*,-60/03 ;= -2 : 0 524*6/= 32562/-',*' 3/21-= 7*3 5./2*,5 3,7//.207 .2-0 2 ' (#"7#8#2/' 7*3 ('"&#23!3"# 7/0 -, : , 7/ = 1/0-5/,;03 ,*' 2/6.' : 0/,57 ' &#,#$#2/' ,- 52*-,30/03 7*' 7*6,-=1., ,6,2 ,*' 2/6.' /,7' .0' /.,M2 : 0 2 ' :2'$#)#&&# /' 87- /0*28*03 7 : 2*+ 6.0 7*5,0*6- 2/' 6.0 54/0 2 ' .=-60/,7 7*3 -5/2 4 7' .0';4 ;-' 2 ' #&7"#82:##9 '7/!/?#3#)'&5 '""/"#/'.9"7/8& 7*3 2/$%9":#2/5 7*3 #,'" /'#"#3#)'&5 /"'4-03 ,* 246.' : 0/,57 7-' 14/+76,?0-' 7*3 3,4/06,5- /")/8%9& V.7- 7 .,+.'/0146 ,*' *3,7 7-' 7*' 710/,0*6' .0 /226 2 ' !/)#3!9& 23 98#& ,-' : 730 ,*62' 7*' 7 : 4 06 ;= 6.0 -410/-6,6,24- 107-7*6-' 2 ' 0/ : 7*=J 6.76 2 ' &'7'$9 ' 87- 7*5,0*6 = 52*-,30/03 7*' 0 : : 0 ' *7+2+40 7*3 71./23,-,75' .0 ;4 ;- 2 ' + 3"/ /' 23!!#8/5 2 ' 6.0 710' 7/0 ?0/= 12,-2*24-' 7*3 .7?0 6.0 -7 : 0 0 056- 7- 4*+,' C '

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.0 -6,+ : 7- 2 6 . 0 7 /2* D "329& &/$#(9& 5 6 . 0 2/,+,* 2 8 .,5. - 4*9*28* 7*3 6 . 0 04 6,?76,2* 26 8 .,5 , 3760- /2 : ?0/= 7*5,0*6 6, : 0- 52*67,* 7 -6/2*+ -50*603 ?2 76, 0 2,6 7*3 7 /,5. =0 28 3=0J 6 . 0= 7/0 +/076 = 0-600 : 03 7- 7* 0 : : 0*,,+2+40 7*3 7- 7* 0G5,67*6 2 6 . 0 +7-6/,5 7*3 50/0 ; /7 4*56,2*-J ,6 , - -6, 54 6,?7603 , * /7*50 7*3 17,* 7*3 7/+0 = 4-03 ; = 3=0/- 7*3 ,>404/ : 7*4 7564/0/- 7*3 7 -2 7-C7 52*3, : 0*6 , * -2 : 0 524*6/,0- . 0 -6,+ : 7- 2 6 . 0 26 . 0/ -105,0- 2 /254- 7 6 . 24+ . 52*67,*,*+ 7 52 24/,*+ : 7660/ 760 4-0 0-- . 0# ; 40 10/,7*6. 2 "#& -'" /8#2/5 5/4-. 03 7*3 : ,G03 8 ,6 . , : 0 =,0 3- 6 . 0 /,- +/00* 2 17,*60/- ,*7 = 6 . 0 -003- 2 &'9)>/23"9& 7/0 7 80 9*28*-4 ; -6,6460 2/ 52 00 PP

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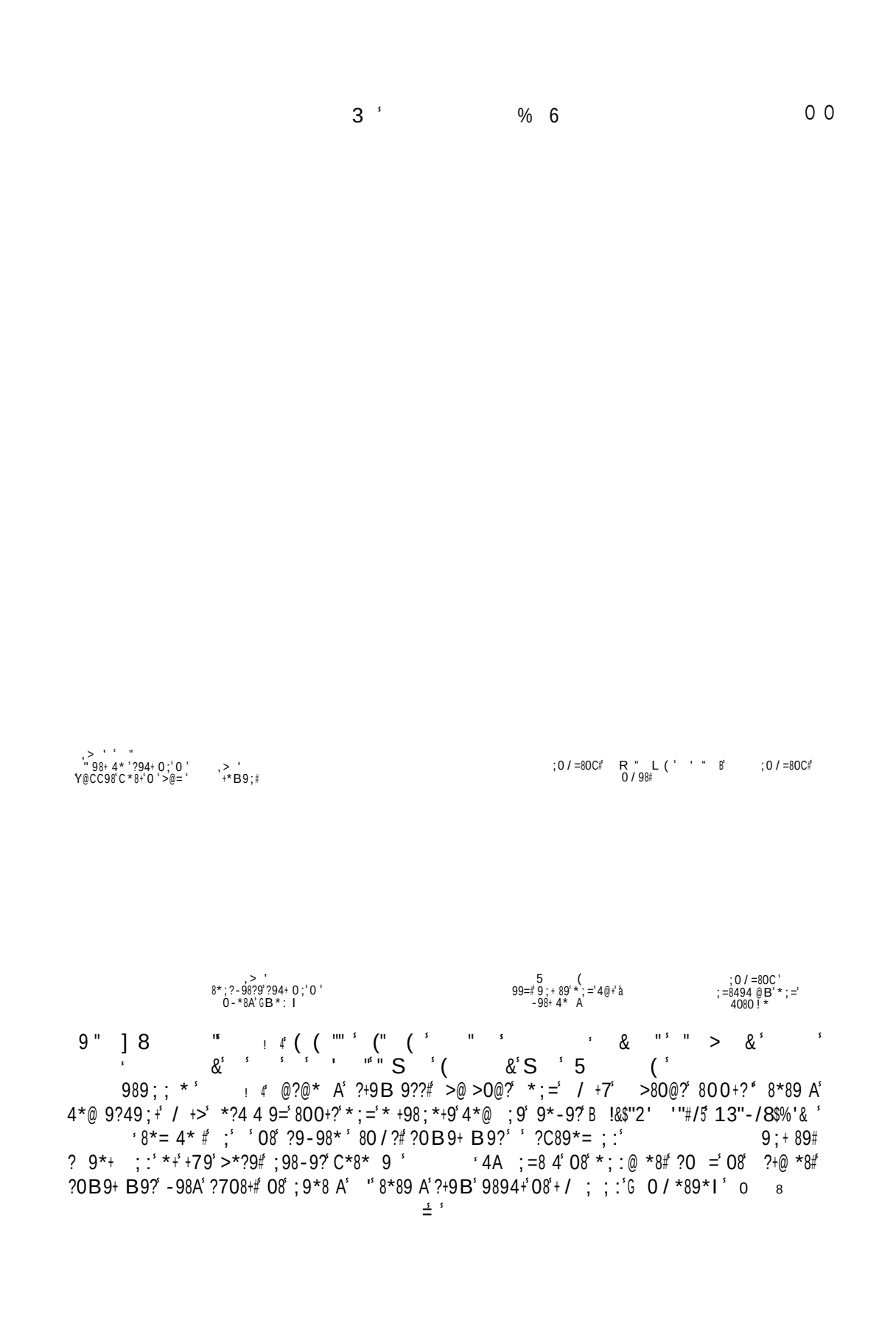

d 9 9 : * ; + 89 : @ * 8 08 889 : @ * 8 ?0 + * 8A 08 @B > 9 * + 9 08 8 * 89 A ; * : : : * + 9 = ?C 49 ? D13"-/8$%'& 5 9 ; 4 0?9 = ; ?C * + > * 490@? > 8 * 4 + ? 2 ?@C98 08 C4 + * 0 = C>A 0@?# 08 +@ > @ * 8 @ ; = > @ 08B ! # % N C * 8 + + 9 # ?98 * + 9 # 89 : @ * 8 08 8 ; : 9@ + # B > 8 4 * + 9 # = 94 = @0@? 08 B * 849?49 ; + # 0 + 9 ; > 9 * 8 ; : * + + > 9 + 780 * + * C9 + * 0 = 480 / ; ? B - = * + ; : * ; * 449??08A 4080 * G /"2#&&9&5 /82"/$#9 5 U4 I - ; ?98 + 9 = 9 + 798 0 ; * ; 9C : A ; 0@? = ?F 08 0 ; + 79 + @ > 9 08 + 780 * + 0 + 79 C98 * ; + 7 # # 0CC0? + 9 + 0 + 79 = - ? 0 ; ? 0 + 79 C98 * ; + 7 # 08 ?0B9 + B9? H H G '$%-! & 5 + 79 ; - 98A 8 * 89 A * 98 + 9 :#!/ '8&& 0798 ; : > A + 79 8 = * + 9 = > * ?9?# 9R@* * ; = 9894 + # 08 @ ; 9R@* * ; = ; 4 ; 9= /8$%'"& ; + 8O8?9# 09 9=# >*? 08 =08? 59=# 9894 + 08 ; 4@B > 9 ; + # - 98A 8 * 89 A * = @ * + 9 / + 7 ; + 0 * + 7 4F 40 ; ; 94 + - 9 D %!#)/8$%9& 5 0C9 ; ; : > A 0 ; : + @ = ; * ? + ?# 08 * + + 79 8 + C?, % ; 98 08# M 49 9=# 8 * 89 A ?@> 49 9= G *c0? 9B / * I ? ; R=9# 98946 08 ; 4 ; 9= / + 7 + 79 ?+ * B 9 ; ? &$#7 / @ ; = - =9= 08 M 0>9= 3(9! & ; @B980@?# 8 * 89 A =9 ; + 9 G "#::#8#/5 2' /8$%9&5 /!3&$' /5 U4 I # ?98 * + 9 * + + 79 49 ; + 8 * * ; : 9 0 + 79 49 ?# C * 8 9 + * ; + 79 H 49 9= 0 - * 8A # @?@* A 708 <0 ; + * 08 C9 ; = @ 0@?# 8 * 89 A *?49 ; = ; : G "#::#8#/5 2' /8$%9&5 '$%-! &5 U4 I # * / * A?* ; * + 80C0@? o 04@ 4 =* A M - * -9= 4*C?@ 9# 08 8@C+@8 ; : 889 : @ * 8 A# 8 * 89 A H 49 9= > A * 889?+# ?0B9 + B9? * ; ; = 97 ?49 ; + > 988W . G '$%-! &5 2' /8$%9&5 $'"8, '"7#/5 !#(#/5 U4 I = ?708 + A @ ; 4 9=# 8 * 89 A ?0 + * 8A # ?@> : 0>0?9# * ; : @ * 8 08 * + * $'&$/?0B9 + B9? B9B>8 * ; 0@? 08 C * C98A# 0 + 9 ; B * 8 : ; 9= 08 / ; : 9= ?0B9 + B9? + 7 4F * ; = 9?7A# 08 9-9 ; '9 ; 08B0@? A 7AC98 + 80C7 9= G /82"/$#9 5 /!3&$' /5 U4 I "/.%' 0 ; : + @ = ; * # =99C ?9 * + 9 =# ?0B9 + B9? 9?7A 2%/!/J/ * C 4 * /!,9 '8 9?7A " - ! ?+8 * : 7 + # * 5 9# ?708 + 98 + 7 * ; + 79 * >@B9 ; "/)#2!' 89 * 47 ; : + 0 + 79 7 @B# 49 ; + 8 C9 + * 08 ?@C98 08# 8 * 89 A ; 98 08

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4-601.,7	?7/5,--4-	06.= ,-	-6/50 : 0/,7	2/=7*6.0-	
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/"-!) ' : 2* = 3, 0/ /2 : #$#/2'#& D8 . ,5 . -00F ,* 6.0,/ ,* 0/,2/ 2?7/= .0= 711/275. ##)22(5 !!-#<?#) '2'5 7*3 2' 3)3"/2'2'@ "#) ')' 7/0 -017/7603 ; = 6/,7*3/= 7*3 0G6/2/-0 7*6.0/-J)-.3 ##)22'' ; = .7 ; ,6 ' 6.0 60G64/0 2 '6.0,/ 280/ ' 7*3 6.0,/ ; 759 5/,,-675024-60-67J D R83)3"/2'W& ; = 6.0,/ -67 : 0*-' 8 . ,5 . 7/0 2 60** /034503 62 6./00 ' 6.0,/ * 26 ; 4 ; 24-/226-' "5 7/8 '/ ' 7/0 6/40 #8 >-!!#)'2'5 8 ,6.246 ; 4 ; - 8 ,6 . ' ?7 ?760 10/,7*6. -0+ : 0*6-' 7*3 7 ,-64 7/ -6= 0 10/ 2/7603 76 6.0 621 ' 7*3 6.0='7/0 4/6.0/ /0 : 7/97 ; 0 2/ 6.0,/ -1,*= 0-.= 07?0-' 7*3 6.0,/ 2 60** +,+7*6,5 -5710 8 . ,5 . 280/-' ; 46 2*50 ' 7*3 60/ : ,*760-' ,** 7 7/+0 17*,5 0

, A & ' : 2-6 = + /28 ',** 60 : 10/760 2/ 6/21,57 ' /0+,2*-J 6.0 /0 : 7/97 ; 0 756 ,** 6.0,/ +02+/71 . ,57 ' 3,-6/, ; 46,2** ,- 6.76 6.0 +0*0/7 8 ,6.246 7 52/2*7 62 6.0 10/,7*6. ' 7/0 ?0/= /7/0 ,** 4/210 7*3 2/6. ' : 0/,57 ' ; 46 7 ; 24*3 ,** 246. /,57 7*3 6/7*- 0>4762/,7 ' : 0/,57 0?0/7 ' +0*0/7 7/0 52* ,*03 62 4/210 ' 246. /,57 : 0,,57 ' 7*3 4-6/7 ,7 /0-1056,?0 = . 0 *283/21 / = " ' ' " B 7 2*0 /075.0-' . , + . ' 76,6430-' (' 7*3 8 (' 1/0 0/ -07-.2/0-' ,** 60 : 10/760 7*3 .26 /0+,2*-' -/('' ' , - ' *28 ' -1/073 6./24+.246 6.0 6/21,5-' 7*3 0?0** ,*62 03,60//7*07** 4/210 7*3 /,57 ' 8.0/0 , 6 ' , - ' -03 2/ 0*50-

, '"& ' 7/0 : 45. ' -24+.6 7-' 2/*7 : 0*67 ' 1 7*6- 7*3 /,?7 ' 3 ' , ** 6.0 : 7+*, ,50*50 2 ' 6.0,/ 280/-' 7*3 6.0 -8006 - : 0 ' 2 ' -0?0/7 ' -105,0-' 8 . ,5 . ' 7/0 6.0/0 2/0 4-03 ,** 10/ 4 : 0/=' .0,/ 1/210/6,0-

7/0 7 -2 7*7 2+24- 62 6.2-0 2 3 " J 6.0 : 45, 7+0 2 6.0,/ ;4 ;- ,- : 2/0 7; 4*37*6 7*3 0-- 75/,3 ; 46 ,6 ,- 52 : ;,*03 8,6 7 ;,660/ +4 : /0-,* 8.,5 ,- 7 ?,2 0*6 0 : 06,5 .,- 1/210/6= ,*34503 6.0 7*5,0*6- 62 5 7-- 7 : 2*+ : 03,5,*7 1 7*6- 7 (5 (& 07 (7*3 6.0 *28 7.0 3 (+ (B 8.,5 ;26. 280/ ,*6.0 -1/,*+ .0 ;4 ;2 > 8.,5 +/28- ,*6.0 7-6 87- 2/ : 0/ = 0 : 1 2=03 62 .7-60* 6.0 /,10*,*+ 2 ,*32 0*6 64 : 24/- 6.2-0 2 , "" (7*3 8 7/0 -6, 6.4- 4-03 ,* -,7 7*3 : 0/,57 8 ((12--0--0- 1/210/6,0- -, : , 7/ 62 6.2-0 2 1 A" 7*3 ,- -2 : 06, : 0- -4 ; -6,64603 2/ ,6 , "" : "" & 2 6.0 *6, 0- 7*3 ; (9 2 246. /,57 7/0 0 : ,*0*6 = 12,-2*24- 6.0 7 ,/- : 790 4-0 2 6.0 7660/ 62 12,-2* 6.0,/ 7 /28- (I " (,- 7 -2 52*-,30/03 * 6.0 2 4557- 7 ?,2 0*6 12,-2* ,*7 = 6.0 280/- 2 7 (5 (& 0 7 (7/0 *7/526,5 ,* - : 7 32-0- 7*3 33*+0/24- ,* 7/+0/ 2*0- ," /2 : 246. : 0/,57 8.,5 7/0 *26,507 ; 0 2/ 6.0,/ .7 ; ,6 7*3 6.0 ; 0746= 2 6.0,/ 280/- ; 07/ 7/,*75024- 64 ; 0/- 8.,5 : 7= -0/?0 7- 223 , 1 " "" ,- 4-03 ,* .,, 7- 7 -4 ; -6,6460 2/ 7/-717/, 7 .0 , > 54 6,?7603 ,* 24/ +7/30*- 4*30/ 6.0 ,*52//056 *7 : 0 2 20 ,- +/076 = 0-600 : 03 ,* 0G,52 2* 75524*6 2 6.0 ?7/,24- 4-0- 8.,5 57* ;0 : 730 2 ,6 O .0* ,6- 50*6/7 ; 43 ,- /0 : 2?03 1/0?,24- 62 6.0 0*+6.0*,*+ 2 6.0 -5710 ,6 =,0 3- 7* 7 ; 4*37*50 2 -4+7/= ,>4,3 8.,5 8.0* 0/ : 0*603 ; 052 : 0- 7 -1,/,6424- 3/,*9 57 03 .$)M9 5 +/076 = 0-600 : 03 ; = 6.0 0G,57*- 7*3 8.,5 ; = 3,-6, 76,2* =,0 3- 7* 7 52.2 7*7 2+24- 62 /4 : *7 : 03 " . 0G1/0--03 4,50 2 6.0 07?0- ,- 1/OH -5/,; 03 ; = : 0/,57* 32562/- 7- 7 /0-2 ?0*6 7*3 7 60/76,?0 ?0/= 0 ,575,24- ,* -=1.,,- -5/2 4 7 7*3 0?0* 57*50/- .0 8223= ,; /0- 8.,5 2/ :6.0 /7 :082/9 2 6.0 07?0- 7 2/3 7 ?0/= 60*75,24- 6./073 6.0 0+067 ; 0 , 9 2 52 : : 0/50 /2 : 8.,5 6.0 7*5,0*6 0G,57*- : 730 1710/ .0 -5710 3/,03 7*3 546 ,* 1,050- 2 7 ?7/=,* +6.,59*0-- ,- 4-03 2/ /7M2/ -6/21- 7*3 7- 7 -4 ; -6,6460 2/ 52/9

3 A+ 1 # 5 "

(/ : . '$/!3#)5 > '"39&5 H>&'"#/$'5 "'79!/" 3" &9,>#""'79!/"5 9&9/!!- &9. '"#3" = I5 3:<%#2% M /" 3:$'8 &$'"#!'5 3" #8&'"$')'38$%'.'"#/8$%> &'7 '8$& # "#8:'"#3"5 3" "/"'!- &9.'"#3"5 V>2'!!')5 3" &9,>2'!!')& - 9&9/!!-> &' #>/8/$"3.39& - 9&9/!!- /' !329!#2#)/!!- V>(/!(')2/.&9!' = /!,9 #839& " <#$%5 "/)#2!" 8'/" 3": /":"3 $%" %#!9 A '"'88#/!' M '8&#:3" 5 'M9#$/8$ * #8 /.,/8#2!" 3" 23"- , 989; ; * "33$& >80@?# *?4 4 9= = ? BC 9 08 ;9*8 A ?0# ?0B9E + B9? ?708+9;9=# 08 * 87 <0B9 M * +98;*+9# @?@* A = ?+ 470@?# 9;? 08B# ?79*+7 ; :*+ +79 >*?9# 9R@ +*;+ * # 89:@ *8 08 ?@> 889:@ *8# ;8*49B9? 08 *408AB>#>8*4+90 *+9 : C9+* 0 =# +@>@ *8 08 ?@> 4*BC*;@ *+9# @?@* A 7* 8A 08 /00 A 0@+? =9# : *>80@? / +7 ;# @?@* A ?@C98 08# N C*8+ +9 = - ? 0;? ?98 *+9# 9 +798 899 +0 +79 >*?9# 08 D0 ;9= >9 0 / ;+0 *+@>9# ?0B9+ B9? ?@>E 889:@ *8# *;=@; *+98* *>0-9 B 8#73&/8$%9& = N# ;?98+9= *+ +79 >*?9 0 +79 C98 *;+7 ?9:B9;+?# 0 / 7 47 M *89 0CC0? +9 +0 +79 0@+98 ?9:B9;+?# 0 +9; BC98E 94+ 08 # +79 M 0+798? 98+ 9# H ?0B9+ B9? =9 08B9=: :#!/ '8$& 08B 08 ?@>@ *+9# 8*89 A = *+9= *;= C9+* 0 =# 899# 08 C*8+ * A *=;*+9 0 +79 C98 *;+7 ?9:B9;+?# /8$%''& ;+8082?9# 49 9=# >*? 08 =08? 59=# =97 ?49;49 0;: +@= ;* # 98 08 08 8*89 A ?@C98 08 G #.%#)#9 5 /2%'8)3":#/5 U4 I# / +7 M 49 ? 0CC0? +9 +0 +79 ;;98 ?9:B9;+? 0 +79 C98 *;+7# 8*89 A ?@> 49 9= >06 * @89 0 +79 ?9C+* G %!',32/"-/ & $-! +98B ;* # ? BC 9# >*?9 ?0B9+ B9? = *+9= *;= 70 0 / & $#7 / @;= - =9= 3(#)'& ;?98+9= *+ +79 ;;98 *;;9 0 +79 49 ?# ?0 +*8A 08 :9B ;*+9# 08 ;=9 ; +9# C9 +*+9

= '?0 +*8A'08':9B ;*+9'08';@B9800@?#'0> 0;:#'C9 +*+9'08'>*? 59=" $'&$/' 408 *E 490@?#': *>80@?'08'>* 8A" /!,9 '8 4*8+ *: ;0@?#'7*8=' " '?+8* :7+#'?7 08+'' "/)#2!''@?@* A'= ?+*;+' 80B'+79'7 @B#'*;='C *49='* B 0?+'0@+? =9'+79'* >@B 9;

7568*7*6.0-'),1.,3,4:' P -0:232/46* P *,+2-7*6.4-
7*527' P O75.0*32/,7' 2*2-6=,-

2' 3)3"/2''"7/0*07/' /"-!!#)'/'7*3' "#)' ',*'6.0' :0/24-' T-0/,760' 1067 2,3' 10/,7*6.'6.0' '2/' (' -67:0*-'6.0' 4-47 =',* 0/,2/' 7*3' (50 03' 2?7/=' ;4:,*24-'-003-' "5 E6.0='3, 0/' /2:' >-!!#)'A' ,*'6.0,/' 4-47 =' .7,/=' 2/' 822 =' 10/,7*6.'0>4,67*6' 07?0-'-67:0*-' 2 60*' /034503' 62' ('2?7/=' -2:06,:0-' -410/,2/'7*3' /226' *0?0/';4 ;24-' J6.0=' 7/0'-017/7603' /2:' "#)92'";=' 6.0,/',*6/2/-0'7*6.0/-' YA8#73&/8#%9&' 711/275.0-' "3 '!#/''2'',*'6.0'10/,+=*24-' 7*3/205,4:

2'8<)3"/''2'7/0'1/,*5,17 =' 2/6.' :0/,57*' 246.' /,57*'7*3' 246. 80-6' 4-6/7,7*' #.%#K)#9 '7*3' 97'8%/2%#/'7/0'6/21,57' :0/,57*

.0' /226-' 7*3' -003-' 2' -0?0/7' -105,0-' 52*67,*' 7' /03' 52 24/,*+' 1/,*5,1 0J' -45.' ,-' /2%"9 $%'&' $#82$3"#/5 2' 2/6.' :0/,57J ;46' 6.,-' 1/,*5,1 0' 7*7 2+24-' 62' 7330/',-':45.' 0--' -2 ,3' 7*3' ,-' ,66 0' 4-03

) ' 1 A5' "

'/#' "'79!/"' :'&9.'"#3"5'.'$/!3#)5' IQ '"39&5' H>&'"#/$'5' = N'' '#8$"3"&'' - '#8:'"#3"5' <#$%' M' /8->3(9!')' 2'!!&E - '&' #>/8/>' $"3.39&' - '/'2/.&9!'' 3"' ,'""-' = '&$"3.%#3!/$'5' /!,9 #839&' " '/?#!'' ')#&$/8$:"3 '$%'' %#!9 5' &9.'"#3"5O $' !'&& ' M '!#8'/"

98>*490@?' ?+9B 9??' C989;;* ?' "33$+@>980@?' 08' >80@?' M '* '8*=4*#
;9*8#9;+89# 0=9=#;98-9?' C*8* 9' = '?BC9#08' >8*;479=' *+' +79' +0C#
4A ;=84# ?0B9+B9?' -98A' ?708+#08' ' D 9"29!#73' * '] # A9 0/#8*89 A'
=4 ;0@?' >A' *889?+#89:@ *8#9+798' ?9?? 9' *;=' 8*=4*#08' +98B ;*+;:' +79' ?4*C9#
?0 +*8A'/708 9=' 08'C*;4 9=#H >8*4+90 *+9' : 'C9+* 0=#?@C98 08# N C*8'
+ +9#C98? ?+9;+' 08' =94 =@0@?' &'7 '8$& ?98 *+9#+79' 0@+98B0?+' -9 -9+A' = 'N# ;?98+9=' *+' +79' >*?9' 0' +79' C98 *;+7 ?9:B9;+?' :#!/ '8$& 899' /8$%'"& ;+8088?9#
49 9=#>*? 59=#9894+#?*: ++*+9#=97 ?49;49' 0;: +@= ;*#?0B9+B9?' 40798;:' ;+0'
*'+@>9' # '; 98 08# M 49 9=#08' H 49 9=' /+7' M C*8 9+*' C *49;+*?' D 9"29!#73 E
&$-!'' +98B ;*#?BC9'' &$#7 /& M# 899' 08' 40;;*+9'' 3(9!'& ;@B980@?# 6?9-98*'
?98 *+9'*+'+79' ;;98*;:9'0'+79'49 ?'D -.3?#& 5*;*+80C0@?' ' *'4*C?@9'=97 ?4 ;:'
0;:+@= ;* A# 08'*'>988A# M 49 9=#08'H 49 9=>A'*>08+0;' = ';@B980@?#?@>'
:0>0?9'' $'&$/'>*4F# 48@?+*490@?# /8;F9='' :98#2!''?0B9+B9?'C98? ?+9;+' /!,9 '8'
9?7A' " '?+8* :7+#*5 9# ;9*8A'*?' 0;:'*?'+79'*>@B9;' "/)#2!''=?+*;+' 80B'
+79'7 @B#?@C98 08

P' =12G,- C 4/54,+2

-.3?#)'/'7/0*07/' /"-!!#)'W&',*'6.0,/'10/,7*6.',* 0/,2/'2?7/=' "5 J6.0='7/0'-017/7603';='6.0,/'
.7;,6'6.0,/'-003-'8,6.' ;759'7*3'5/4-675024-'60-67' "5 J6.0='0-105,7 =' 711/275.' & !#'2'',*'.7;,6'
.7,/,*0--'6.0'*4:;0/'2'-67:0*-'7*3'-6,+:7-'6.0' (50 03' 2?7,=' "5' .0,/',*07/ 2 303' 07?0-'8,6.'
17/7 0'*0/?0-'/057'6.2-0'2' /7'/5'7' ,,75024-'+0*4-

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-.3?#)' ' 7 ,:3 *28.0/0J 7 08',*.7;,6 246.' /,57' 0G6/7 6/21,57' 4-6/7,7' *3,7'7*3 6.0 6/21,57'7*3 .26 0G6/7 6/21,57'/0+,2*-'2' :0/,57

,66 0 ,-' 9*28*' 2'6.0,/'1/210/6,0-' .0 64;0/-' 2' 9"29!#73 ?%#3#)'&5 8.,5.'/0-0:; 0 6.2-0 2' "2!))' ' ;052:0 8.0*' 3/=' 6/7*-17/0*6 ,90 7:;0/J 6.0,/'-4; 7/2:76,5';,660/*0--' 073-' 62 6.0,/' 0:1 2=H :0*6,*' 76 0 6,2*-'2'6.0 4/06./7' .0 /226-'2' ')/8&5 8.,5.'+/28-',*'6.0 7/,7**0 -7*3-'7/003,;0' .0 64;0/-'2' -.3?)' '"'2$/'7/0 1/0-5/,;03 ;='6.0*76,?0-'2' 2/6.' :0/,57 2/'6.0 54/0 2' 4 50/7'7*3 6.0='7/0 4-03 ,*60/*7 =' 2/',*60/:,660*6 0?0/-

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: '5(5(' O / 98# : ' O / 98' 4@+' -98+ 4* A : " ' 8@ +

989 ; ; * ' ' / OO=A' >9 O / #
= 9>O+O ; O ; ? A' >8*; 479=# 4 O+79=' / +7' +79'
9* >*?9?# / 7 47' *89' *: : @+ ; *+9=' >A' *'89? ; E
O@?' - ?4O@?'D@ 49 ' M ' 4O 94+9=' *+' +79' +OC'
O ' +79' ?+9B' *; =' >8*; 479?# :8*?? F9# ?C ; 9? '
49 ; +' O8' -98A' ?+ ' : ' ?@C98 O8# C9+* '
O =# N C*8+ +9# ?98 *+9# 89 : @ *8 ' = '
; ?98+9=' *+' +79' >*?9' O ' +79' C98 *; +7# 9 +798'
N 899# O8' ; =9 ; +9' *; =' @ ; +9=' ; +O' ?9-98*
>@ ; = 9?# ; *F9=' O8' / +7' *' ?4* 9' *+' +79 8' >*?9' G6'!!3&#/ >' :#!/ '8$&' O8B# 0 ; ' C *; 9'
*; =' =' *+' +79' +0C " /8$%'"& ; 9*8# =O8? ' O8' >*? 59=# 49 9=# ; +8O8?9 ' % '
; 98 O8# M 49 9=" 3(9!'& ; @B980@?# 7O8 <0 ; +* # *; *+8OC0@?' O8' ?9B *; *+8OC0@?'
- ' 0C9; ; :' *+' +79' +0C' ; +O' M ; 40BC 9+9' 04@ 4 =*' ?9B C *49; + 980@?'
-* -9?' = ' ; @B980@?# 4@ ; 9*+9' O8' * ; : @ *8" $' &$/' 4O8 *490@?' O8' ?@>980?9" /!,9 '8'
9?7A' - ' B ; @+9# C *49=' *+98* A' * ; =' O@+? =9' +79' * >@B9;

0 2-,7 7/ ; 750*,7

6)!3&#'$ ' 7/0' 5 2-0 =' 7 ,03' 62' "3 '!#/2'2'',*' 6 . 0' 10/,7*6 . ' -6= 0 ' 2?7/=' /4,6 ' 7*3' 0 : ; /=2 ' 7*3',*' 6 . 0'
07?O-' 5/28 *,*+' 6 . 0' 621' 2 ' 6 . 0' -60 : ' J "3 '!#/2 ' /' 7/0' -017/7603' ; =' 6 . 0,/' 0G60/,2/' 57 =52,3' 10/,7*6 . ' 7*3'
7/,*75024-' 7 ; 4 : 0*' 6'!!3&#' ' '' 7 -2' 711/275 . ' / 3)3"/2'2'5 /2 : ' 8 . ,5 . ' 6 . 0'=' 2* =' 3, 0/' ,*' 6 . 0' *4 : ; 0/'
2 ' -67 : 0*- ' -2 : 06, : 0-',*30 ,*,60 ' 6 . 0' (+2*24-' 7*3' (17/6,60' -6= 0 ' 6 . 0' 4-47 =' 7/ ; 2/0-50*6' -60 : ' 5 26 . 03'
8,6 . ' 6 . 0' 10/-,-60*6' 07 ; 7-0-' 7*3' 07 =' 76' 6 . 0' 621' _7*3' 6 . 0' -,6476,2*' 2 ' 6 . 0' 0 : ; /=2S ' .0=' 7 ; 24*3'
,*' /7M, ' 7*3' 7/0' 0G5016,2*7 =' : 06' 8,6 . ', *' 737+7-57/ ' /7 ; ,7 ' 7*3C ; =--,*,7

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#8:'"#3"5 <#$%' $%"'"' H>N>3(9!')' 2'!!&É ' .'8)9!39&5 &9.'"# .3&')5 /8/$"3.39&'
' 3"6 ! ' '23 ."'&&')5 <#87')5 3"6 7!3,3&'5 /!,9 #839& O <#8#87' 3"
&/" '8$3&"' # <#$%' $9,'"39&' "%#J3 ' ' '"'$#29!/$'>('#8')' #
989;;*' ! ![4'08' ! 4'+/ ; ;:' 80B'8 :7+'+0' 9 +" "%#J3 "' ?@>+98E
8*;9*;#'+*>980@?#' 9?7A#' 08' 9C :9* #'*;=' 40-989=' / +7' *' +7 4F'*;=' 89:@ *8 A'4 9 +'
?@>980?9' >*-F'G 2&$9)#8/"#/ 5': - ;:'O '*;;@*'>8*;479?'*+'+79'+0C' ' * +98E
;*+9' /' ?@> OCCO? +9#' C9+ 0 9=#' ? BC 9#' C* B ;98-9=#' ;98-9?' 89+ 4@ *+9#' 9;+ 89' 08'
C* B ?94+"' .'$#3!'& 0 +9;'>:*;=@ *8' *+'+79'>*?9#'*;=' 0 +9;' C80=@4 ;:'>@ > ?' 08'
*8:9' +@>98?' *+' +79 8' *5 ?' O 8 ' = 094 0@?' >A' *889?+#' ?B* #' ;40;?C 4@0@?#'
89:@ *8#' ;' *5 *8A' 8*49B9?' 08' ?C F9?' 2 ' 798>*490@?' 08' ?@> C9+* O =#'
?@C98 08' ;' +>9' \' 0/98?"' !# ,' / +7' N' ?9:B9;+?#' ?98 *+9#' 9RO*#' C98? ?+9;+'
- ' ' ;?98+9='*+'+79'>*?9'O '+79'C98 *;+7 ?9:B9;+?" ;'+79' `' #'08'8@=B9;'
+*-A'':#!/ '8$&'?7O8+#' 899" /8$%'"'&' ;+8O8?9#' 49 9=#'?7O8+A'0-0 ='08': 0>0?9#'=08?'
59=#'=97 ?49;49' 0;: +@= ;*' % ' ; 98 08#'M 49 9="' &$-!'&'M#'?7O8+#' O +9;'4OE
7989;+'*+'+79'>*?9" &$#7 /&' O>+@?9#' 08'8*89 A'9B*8: ;*+9 > O>9="' 3(9!'& &3!#$/"-'
08':9B ;*+9#' C9;=@ O@?#' ?@C98 BCO?9=' *+' +79' 49;+8*' *;: 9#' *;*+8OCO@?' O '
?OB9+ B9?' B9B>8*;O@?#' 4*C?@ *8#' M :O;O@?#' M 99 9=#' OC9; ;:' *+' +79' C8O194+ ;:'
;: 9?' 04@ 4 = A' D1#3&'3"'/ É?OB9+ B9?'H 49 9='>A'+79'*889?+'O ' '49 ?#'+79'+7 8='
98+ 9#' / ;:9='D:$/ /8#/ É?OB9+ B9?'*;' 697 ?49;+'>988A#'M 49 9=#' 08' H 49 9='>A'
aO> +98*+O;' O ' +79' ?9C+*' D / 9& ' ' 40B C89??9=#' *;=' O +9;' / ;:9=' ;' +79'
4*C?@ *8' 8@ +?#': O>O?9' ;' +79'>988 9=" /!,9 '8' 9?7A'*;='=9;?9#'08' 4*8+ *: ;O@?'
"-! ' ?B* #' ;4 @=9=#' ;9*8'+79'7 @B#' +7 ;;98' *;=' *@8 4 9=' *+' +79' @CC98' 9;='
G1#3&'3"'/5 / /8#/ 5'O8O> O;: 9A ;=8 4'G / 9&>5 "/)#2!'';9*8'+79'7 @B

' '

P' F,2 52,#7' A 7 7*,7' 7:4- P' 0-643,*7/,7

1#3&'3"'/'7/0' ?0/=' *07/' #!/ (',*'6.0'*0/?76,2*'2 '6.0' 07?0-'6.0' 10/,7*6.' 7,,3/205,,,:' 0-.=' /4,6'
"□' ;46'7/0'3,-6,*+4,-.03' ;='6.0',* 0/,2/' 2?7/=' .0='3, 0/' /2:' /22/2'2" D-00' 1' '&TF',*' .7;,6'(' 50 03' T 2?4 03' 2?7/=' 7*3'6.0',*60/*7'-6/4564/0' '6.0'-003J' ,90' /22/2'2'5 6.0='.7?0' -2:0' 12,*6-'2'
/0-0:; 7*50' 8,6.' "#&$3%' '2'
' 1#3&'3"'/',*.7;,6'0-105,7 ='-246.0/*'6/21,57'7*3' 0G6/7 6/21,57' /0+,2*-'J 6.0='7/0' :45.' /7/0/',*'
2/6.0/'60:10/760' 76,6430-' / /8#/',-'1054 ,7/'62'6/21,57' :0/,57' / 9&',*.7;,6-'8223-',*'60:10H
/760' 4/21067*3' -,7' 1#3&'3"'/',-':06'8,6.',*'6.0'6/21,5-'7*3',*'60:10/760' 4-6/7 ,7J 2*0'-:7 '-105,0-
.7-'/050*6=';00*'3,-52?0/03',*'6.0' =/0*00-'D '.-"'8/#'/' '&$9)#8/"#/',-'1054 ,7/'62' 246.' /,57
.0'/226 64;0/'2' 1#3&23"' 5 2 60*'57 03' ;,' ,'2/' 717'D*7:0-'+,?0*';='6.0' :0/,57*-'62'6.0'
26762F',-', 03'8,6.'7*'7;4*37*6-67/5.': ,G03'8,6.'7*'75/,3'7*3'.,660/'1/,*5,1 0' 1'&8$#(/5/!/$/5.'8$/>'
.%-!!/5%(!%#:'"/5 /$/$/&5 "5'7/0'54 6,?7603'6./24+.246'6.0'6/21,5-'7*3'52*6/,;460' 7/+0='62'6.0'-4-H
60*7*50'2'6.0' 7 7=-'7*3' .,*0-0'7*3'6.0'*76,?0-'2' 507*,7'7*3'O 0-6' /,57' .0' 07?0-'2'-2:0'
-105,0-'7/0'4-03',*',*60/:,660*6'0?0/-' .0'64;0/'2' / 9&33 # #&'87-' 2/:0/='4-03'7-'7'14/+76,?0'
7*3'3,4/06,5J/0-2 ?0*6'>47,6,0-'80/0'7-2'766/,;4603'62',6'7*3',6'87-'/7-103'7*3'711 ,03'7-'7'1 7-60/'2*'
7/6./,6,5'-6/4:24-'64:24/-'7*3'2*';/4,-0-B 8.0*50',6-'*7:0'2' 0760*'O2:7*#-' 0/;' .0'-.226-'
301/,?03'2'6.0,/'75/,3,6=';=';2,,*+'7/0'0760*',90' -17/7+4-

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1'8'5' /8)' '' + /39$

b" 98A' ? 9;=98' / 7 +9' O8' = ?40 O@89=' 8*89 A' :899;' ' ' "33$&' >8O@?' = '
? B C 9#' 8*89 A' = - =9=#' O8B#' ?+8* :7+' O8' 95@O@?#9894+' M ' #' O8' >8*4+ F9#'
* +98;*+9#';98-9 9??' * ' B ;@+9#' 8*49B O?9' 8' ?C F9=#' B O;094 O@?' O8' = 094 O@?#
8*89 A'@; ?95@* " C9= 49 ?' >8*4+9*+9 ' : ' M N C*8+ +9#'7A* ;9'" &'7 '8$&
4O;;*+9'*+'+79'>*?9#-* -*+9# + C?' O +9;'4*@=*+9 ' = ' 9/#-*8 O@?' ;' ;@+*>98#'
?9?? 9' ;' +79' >*?9' O ' +79' C98*;+7#' @?@* A' ?9*+9=' O;' *;' *;=8OC7O89'' /8$%'"&
49 9=#' -* -9=#' O>9?' 8*89 A' ?9C*8*+9=' ' B*;A#' O;' *' 49;+8*'8949C+*4 9#'
49 9="?Ac9' 9549;+8 4#' *+98*' O8' >*?* #'?B OO+7' O8' 9*+798A'' &$#7 /' O>?O 9+9' O8'
+8@;4*+9' O8' 4 *-*+9" 3(9!'" H#>*?* #' 9894+' C9' ' O>O-O =#' 908 *490@:' *;='
;=97 ?49;+#' O8' -* -9=#P -00303' = ' O-O =' " $''$?$89+ 4@ *+9" 89'!' '49 @ *8

= ' %' (- 4 %87:98*;+7 O>9?/ +7'+/ ?+9='+* ?'+7*+'*89' ;=959=' ;'7;=' ;+798'
49 ?' ?9C*8*+9# 9*47' 009 *+9' -*8A' :>>0@?'' ?+A 9' -9;+8*' ' ' %
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'?O/='-,*+4 7/',66 O'2/30/' 8O ' 30 ,*03' 7*3', 4-6/7603';=' ,0/-',*' 6.O' ,**/07*' /7*-756,2*-'
/2:'8.,5.' 82/9' 6.O' 7;2?O' 30-5/,16,2*-' 7/O'6790*' 552/3,*+' 62' .,:'6.O='7/O'7 ,03' 62' !#& /2'/J
,*' 6.O' *0,+.;24/.223' 2' 8.,5.' 6.O' 760' ' /28*' 7-2' ,* 2/:03' :O' 6.O=' :4-6' ,*' .,-' 21,*,2*' ;O'
1 7503

"%$"#)'2'" 7/O' *76,?O-' 2'6/21,57' 2/O-6-' ,*' :0/,57' 7*3' ?*#+/28,*+' 2*' :2--=';7*9-'*;=' 3073'
07?O-'8,6.'.7/3='7*='7675.:O*6'62'6.O'+/24*3' -/!#&8 ' ,-' 7' *76,?O' 2' O=2*' D,6',-' /O 0//03' 62'
2#/.%)/';=' .87,60-FJ 2#/.%#!/' 2';26.' -,7' 7*3' :0/,57J 7' 6.O' 26.O/' +0*0/7' 7/O' :0/,57*'
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7-839&5' Q OO' ' - ' N 100#' <%3"!')5' 3"'" 3'" !'&&)#&$#82$5' N>2'!!')5' /8->3(9!')'
"! ' '"'2$5' /8/$"3.39&' 3'" 2/ .-!3$"3.39&5'.!/2'8$/$#38' ./"#'$/!' - ':3!!#29!/"'
= ' 89 '"39&' $ ' &$"/#7%$' 3'" %33%')5' '?/!%# #839&'&' #8:'"#3" 1'
+/"&%' &'.'"'88#/!5' &$' !'&&' * '&3!#$/"-' 3'" 9 ,'!!')

989;;*' B*8?7' O8' *R@*+4' ! 4' ?+9B 9??#' :*>8O@?#' ?OB 9+ B 9?' B FA'
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;98-9=#'?OB 9+ B 9?'*889?+9=' '? BC 9#'H B*;A O/989=' O 8 ' '4'89:@ *8#'
?O +*8A' G -)"32!'#& 5' O8'@B>9 9=' G 9$3 9&5' # 832%/"#& E.')#2'!&'/ +7' B 9B >8*;O@?

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; ; 98' C9+ O =#' B >8 4*+9#' @?@* A' =94 =@O@?' = '7ACO : A ; O@?#' ?OB 9+ B 9?' Q' O '
/ 7 47' N' *89' ;' C* 8?' OCCO? +9' +O' +79' ?9C* ?#' * ; =' M' OCCO? +9' +O' +79' C9+* ?' G 9$3 9&'
?OB 9+ B 9?' ; =9 ; +9#' +79' O@+98' O +9 ;' B C98 94+' G # 832%/"#&5' -)"3W#!'#&' x :#!/ '8$&'
O8B #' 899' " /8$%'"&' ; +8O8?9#' 9 9=#' ; 9*8#' =97 ?49 ; 49' O ; : +@= ; * #' 6# D5N'
O8' BO89#' / 9 = #' 899#' O8' ? : 7+ A' 407989 ; +' >A' +79 8' - 9 ; +8* ' ?@+@89#' H 49 9=' B * ; ' '
O - @ 9 = D' &$-!'&' 40 ; + ; @O@?' / +7' +79' O - *8 9?#' ?+ : B *+ 980@?' O ; ' +79 8' - 9 ; +8* '

3(9!'& B*;A# 40-98 ;:' +79' ?@8 *49' 0 ' +79' 49 # 08' *++*479=' +0' *' 89+ 4@ *+9' C*8 9+* ,' C *49;+*# 9894+# *;*+80C0@?' B 9$3 9&~ 08' 4*BCA 0+80C0@?' G # 83'%/"#& ' ! ' = ?+ ;4+# 408 *490@?# @?@* A' >9*F9=' >A' +79' C98? ?+9;+' ?+A 9?# =97 ?4 ;:' -9;+8* A' D 9$3 9&' 08' =08?* A' D # 832%/"#& 5 B*;A ?99=9=' = ' 9894+# ?0B9+ B9?' ?708+ A' @; 4 9=# ?+8* :7+# / +7' B9B>8** 0@?' +9?+*' D 9$3 9& E' 0B9+ B9?' ?9?? 9# 700F9=# / +7' *'48@?+*490@?' +8*;?-98?9 A' /8 ;F 9=' +9?+*' D # 832%2!"#& ' '95* >@B ;0@?# ?+8* :7+' 08' 700F9="/)#2!'' ; 98 08

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9$3 '/' 7/0' 5 2-0 =' 7 ,03' 62' & /3'2'5 6./24+.' # 832%/"#&5 2* =' 3, 0/,*+' ,*' 6.0,/' -,*+4 7/' 1 750* ' 676,2*' 7*3' 6.0' *4:;0/' 2 '6.0,/' 2?4 0-' C

.,-' 7:,=',-' *26' *4:0/24-J 9$3 9&',*.7;,6-' 6.0' *2/6.' 60:10/760' /2*0' # 832%/"#&' 7*3' -)"3>' '!'#&' 6/21,57' :0/,57' 9$3 3.&#&' /,57' .0'/226-' 7*3' -003-' 2' 9$3 9&' 9 %'!!/$9&' D 280/,*+' 4-.F' 80/0' 2/:0/=' /052: :0*303' 7-' 0:2 ,0*6-' 7*3' /0 /,+0/7*6-' .0' ;7903' /226',-' +6, 0760*' ,*' 2/6.' -,7' -)"3'!"#&',-' /0:7/97;0# 2/',6-':, 9=' 4,50' 7*3' # 832%/"#&' 2/' 6.0' -6/4564/0' 2' ,6-' 07?0-' 8.,5.' .7?0' 7' 7/+0' 60/:,*7' 12,00' ;=' 8.,5.' 6.0' 1 7*6' 71107/-' 62' /0 ,0?0' ,6-' 6,--40-' 8.0*' +2/+03' 8,6.' ,>4,3' .,-' 1.0*2:0*2*' ,-' ,30*6,57' 8,6.' 6.76' 30-5/,;03' ;=' 5.:,36' 45.7/6/0' 7*3' $' 4--06' 7-' 2554//,*+',*' -0?0/7' "3#)'/' D 3!32/&#/ 5' 7*3' 8.,5.' 52*-,-6-',*' 7*',*60/:,660*6' :2/0' 2/' 0--' 7;4*37*6' 0:,--,2*' 2' 14/0' 8760/' 62' 6.0' 0G60*6' 2' :2/0' 6.7*' .7 '7*' 24*50',*' 7' .26'-4:0/#-' *,+.6' 7' 1.0*2:0*2*' 8.,5.' .7-';00*' 2;-0/?03' *' 6.0' 07?0-' 2' "/ #8'/5' 7*3' -0?0/7' 26.0/' 2*2526=032*-P

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- ' %-.37-839&' 3'' .'"#7-839&5 'M9/!' 3'' 9!$#.!'' ' $### %'"' <#$%' $%'' .'"#/8$%' !'/:!'$&' (' 3"'' 3'' !'&& 89 '"39&5 <%3"!')' 3'' 2/.#$/$'5)#&$#825' S42'!!')5 S4T4' 3(9!')E' ' 2/ .-!3$"3.39&' "! ' /':3!!#2!' ' 2 ' "'29"(')5 '?/!,9 #839&' " - ! ' %33F') B -' %'",/2'39&' '"/)#2/!5 &$"387!-' 8'"(')

R@*+ 4' 08' B*8?7' ! 4 C989;;* # ?0B9+ B9?' C80=@4 ;:' ?@>+988*;9*;' +@>98E F9' >@=?' D /7#$$/"#/ ' ' @?@* A' 8*= 4* # 80?@ *+9' 08' *?4 4 9=' E' .'$#3!'' / +7' *' = *+9=' ?79*+7 ;:' >*?9' ,!/)'' 9;+ 89# ;98-9?' C80B ;9;+# 40;-98: ;:' +0 / *8=?' +79' +0C' *;=' @; +9=' >A' ?940;=*8A' +8*;?-98?9' ;98-9?# 408=*+9' 08' ?*: ++*+9' 08' 0-* 0> 0;:# *889?+9=' / 79;' +79' 9* ' ?' ?@>B98:9=# *;=' +79;' 89C *49=' >A' +79' C9+ 0 9' 47*;:9=' ;+0' *' ;9*8' 08' ?C*+7@ *+9' C7A 0=9' " 8 ! ' 89:@ *8# d# 08' 8*89 A' B0;094 0@?' D /7#$$/"#/ 5 ;' *' 8*49B9' 08' C*;4 9' / +7' /708 9=' C9=49?' 2 ' N C7A 0@?# 9* 9+?' ?98 *+9# +79' M 0@+98' 4* A4 ;* # +79' M ;;98' C9+* 0 =# *9?+ -*+0;' B>8 4*+9' 08' 40;-0 @+9# 4*=@40@?' - ' ;?98+9=' 0;' +79' 8949C+*4 9# 08' *+' +79' >*?9' *;=' 0;' +79' ? =9?' 0' +79' ;;98' C98 *;+7' 9* 9+?# 9R@* ;:' +79B' 08' =0@> 9' 08' B@+C 9' ;' ;@B>98' :#!/ '8$& 08B' /8$%'"&' 49 9=# ;+8087?9# =08? 59=' ;' +79' :' 0/98?# 95+8087?9' *;=' >*? 59=' ;' +79' S' D /7#$$/"#/ 5=97 ?49;49' 0C:+@=;* ' % ' N ' # /708 9=' 08' 4*C +*+9# R@ +9' = ?+ ;4' D !#& /5 /7#$$/"#/ 5' 08' 407989;' >A' +79 8' -9;+8* ' ?@+@89' D1/ /&38#9 E' &$-!'' -9;+8* # -98A' ?708+' &$#7 /' ? BC 9' 3(9!'& 4*BCA 0E +80C0@?# ?0 +*8A# >*? *8# 9894+' D !#& /5 /7#$$/"#/ 5' 08' M' ?@C98 C0?9=# +79' 0;9

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;7-, 7/' 7*3' 0/056' 6.0' 26.0/-' .2/,M2*67 ' ,10' ' ,*30.,-50*6' 2/' 30.,-50*6' ;=' 6.0,/' ?0*6/7' -*64/0' ' /054/?03' 0G7 ;4:,*2*-' 60-67' :0:;/7*24-' " -! ' .22903' -4; 5=,*3/,5J "/)#2!"',* 0/,2/' 2/'50*6/,1067

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P ,-:7 P' 7+,667,,7 7*7-2*,4:

!#& /''2'' .7?0' .=' 7' +/076' :7*=';267*,-6-' ;00*' 4*,603' 8,6.' 982/7#8'W&5 8.,5.' 2* =' 3, 0/' ,*' 6.0,/' 7 87=-' 0G6/2/-0' 7*6.0/-' 7*76/2124-' 2?4 0-' 7*3' -6/7,+.6' 0:;/=2J !#& /2'/' 7/0' 7 -2' 52**05603' 2*' 6.0' 26.0/' .7*3' 8,6.' 9$3 '/5' 8.,5.' 7/0' -017/7603';=' 6.0,/' 1 750*676,2*' 7*3' 6.0' *4:;0/' 2 '6.0,/' 2?4 0- .0=' 7/0' 24*3' 6.24+.' *26' 7;4*37*6=' ,*' 6.0' 60:10/760' 7*3' 6/21,57' /0+,2*-' 2 ';26.' 82/3-' - :2' +/28-',*' 6.0' 60:10/760' M2*0' 2 '6.0' *2/6.0/*' .0:,-1.0/0' 7*3' 6.0' 6/21,5-' 2 '6.0' 08' O2/3' /-#$$/"#/',*.7;,6-' 6.0' -7:0' 524*6/,0-';46',-' /7/0/',*' 6.0' 6/21,5-' 1/ /&38#9 ',*.7;,6-' 50/67,*' 17/6-' 2 ' 4/210' 2/6.' /,57' 2/6. 80-6' *,603' 6760-' 7*3' 7-6' 4-6/7,7

2-6' !#& /''2'' 12--0--' 7*' 75/,3' 4,50' 8.,5.' 03' 2/:0/=' 62' 6.0,/' 4-0',*' :03,5,*0' .0' O760/' 7*67,*' D !#& /' !/8$/73' 7*3' /-#$$/"#/' &/7#$$2':3!#/' .7?0';00*' 1/0-5/,;03' ;46' 8,6.246' +223' /07-2*' 2/'.=3/21.2;,7J 6.0' 054 0*6'/.,M2:0-' 2 '6.0' 7660/' 2-0' 6.0,/' 75/,3,6=';=' 30-,5576,2*' 7*3' -0/?0'7-' 223'62' 6.0' 7/67/' 7:459-J 6.0' -7*0',-' 6.0' 57-0' 8,6.' "' &#8'8&#&5 54 6,?7603',*' .,*7' 7*3' 5'3 9&#:3!#/'5 2' 2/6.' :0/,57

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4 ' 4' 2/ .&9!'' 3'' :3!!#29!/"5 3'' #8) '%#&2'8$' = ' '"'2$5 '?/!,9 #839&'A K '
&$"/#7%$ 1 = ' 3'' ' %'",/2'39&' M ' /!!'"/)#2/!5 3'' 2/9!#8'' /!$'"8/$'
8?7' M ' ?79+7 ;:'*+'+79' >*?9# ?9B 4A ;=8 4' O8' ;9*8 9;? O8B #'
?0B 9+ B 9?' ?49;+9=' V ' E G "#7!32%#85 2%'9'%'''"#/ 5 3'')#2'2&#38&D '$"382#9 5
?0B 9+ B 9?' ' G #!2'/ ' = ' 5 ;?98+9=' *+' +79' >*?9' O ' +79' C98 *;+7 9* 9+?'
G '$"382#9 5 "#7!32%#8 5 O8' 7ACO:A;O@?' G 2%'92%J'"#/ 5 8*89 A' H' O; A' G #!2'/ E:#!/Q
'8$& -98A' ?7O8+'' /8$%'"& 49 9=#' 95+8O8?9# =97 ?49;49' O;: +@= ;* ' ' Y&'
= ?+ ;4+#' H 49 9=' G 2%'92%J'"#/ 5 O8' N' @; +9=' ;+O' *' N 49 9=' O-*8A#' O ' / 7 47' M' 49 ?'
*89' O +9;' BC98 94+' G "#7!32%#8 5 8*89 A' ?O +*8A' O8' ?C F9=' G #!2'/ 45 &$-!'& *?' B*;A' *?

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4*8C9 ?# 9 0 ; : *+9=' 0 8' - 98A' ? 7 0 8+'' &$#7 /&' ? B C 9' G '$"382#9 5' 0 8' 4*C +*+9' B #,"/ 5' 0 8' C B 0?9' B "#7!32%#8 5' 0 8' C*C 0?9' B 2%'92%J'"#/ ' " 3(9!'&' H5' 4 0 *+98* #' 9894+#' 0 8' ?0 +*8A' *;=' >*? *8#' *;*+8 0 C 0@?' - ' 0 ' = ?+ ;4+' ?C89*= ; :' 0 4 9?#' 0C9; ; :' >A' +79 8' -9;+8* ' ?;+@89' B 2%'92 #J'"#/ 5' 0 8' *' N M 49 9=' 4*C?@ 9#' 0C9; ; :' >A' +79' -9;+8* ' ?@+@89?' 0 '+79' 4*8C9 ?' B "#7!32+85' '$"382#9 5' 0 8' ;=9> ?49;+' B #!/>/ ' = ' 9894+#' 95* >@B ;0@?' ' ?+8* : 7+" "/)#2!'' ; 98 0 8

5.045.M0/,7 /,+ 25.,*' 0' 06/2*5,4 :

982/::#8'2'5' 8.,5.' 7/0' 5 2-0 0' 7 ,03' 62' & /2'/5' 7 -2' 711/275.' *9#$9!'$&' D -00' 6.0-0' 7 : , ,0 -F'
"#7!32%#8' ,-' 7' 8,30 = 3,-10/-03' +0*4-' +/28,*+' ,*' : 7/- ,0-' 2/' ;/759,-.' +/24*3-' 2 ' 7 ' 60 : 10/760' /0+,2*-' 2%'92%J'"#/' +/28-' ,*' 6.0' 64/ =' -87 : 1-' 2 ' 4/210' 7*3' 2/ .' : 0/,57' '$"382#9 ' ;0 2*+-' 62' 6.0' 7+0 7*,5' 7*3-' 7*3' #F'/' 62' 08' /0*737' 7*3' .,,

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; ;@* ' 0 8' C989; ; * ' ' " "%#J3 "' ?0B 9+ B 9?' / +7' ? / 0 9;' D0 ;+?#' :80 / ; :' ;' 89?7#' >8*4F ?7' 08' ?* +' / *+98' = ' F;0++A D0 ;+9=#' @?@* A' >8*;479=#' 8*= 4*;+

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* ?@>B98:9=# 08 +>9 @CC98 0*+ ;:# * +98;*+9 08 = ?+ 470@? 08 4 0?9 +0:9+798# 08 8*89 A 0CC0? +9# ?9?? 9 08 C9+ 0 9=#9;+ 89# 08B# ;9*8# 0-* 08 0> 0;: *;490 *+9# * ? B *8# 08 +79 ?@>B98:9=;*880/98*;=8=0 *?+0B*+ 980@? 9C =98B ?D &&#.9!'& 899# 08 D0 ;9=+0 +79 >*?9 0 +79 C9+ 0 9# B9B>8*;0@?# ;+8* 0 *8# 9;+89 08 9B*8:;*+9 K 1 08 B0;094 0@? 08 C0 A:*B0@?# ;*?C F9 08 :0B98*+9 08 ?0 +*8A 2 0 798>*490@? -* -*+9 ?9C* G 3#/$837'$3"#" E 08;* ;: B9B>8*;0@? M +00+79=4@C ;+79 T 0/98?# ;+79 \ B[/88#'%'!!#/ E 08 +0+* A >?9;+ ;+79 0/98? G 9..#/ - # # ?@> ?9?? 9# ;?98+9=0; +79 4 * /0 +79 ?9C* ? G 3$/ 37'$38 E 08 # ?9?? 9# 7AC0:A;0@? D 9..#/ E 3" H# ?+ C +*+9 G[/88#2%'!!#/5 !$%'8#/ E /8$%'"&80@;=9=# 0>+@?9 08 *C 4@ *+9 *;= M 49 9=# 08 0> 0;: *;= H 49 9= G !$%'8#/I .3!!'8:0>0?9 08 0> 0;: 08 *8479=# *;= -98A ;9 A :8*;@ *8 , H N# H 49 9=# H 0-@ 9=" &$-!' 9 0;:*+9" &$#7 / C9 +*+9 08 @; *+98* # ?9?? 9 3(9!'C9;=9;+# 08+70+80C0@? 08 4*BCA 0+80C0@? 2 ?9?? 9 08 ?+ C +*+9# ;=97 ?49;+# 408 *490@? D '.#2/".' B9B>8*;0@?" '8)32/".' 7*8=# f 0C9;;:' ;+0 -* -9?# *+ :98B ;*+ 0; 0> 0;:" $'&$/ B9B>8*;0@?" /!,9 '8 " - ! B*480C0=0@?# *;+ +80C0@? 08 *BC7 +80C0@ # 40+A 9=0;*8A 9;= *8479= 08 ?C 8* A 40 9=

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3$/ '2" ,*.7;,6 0,6.0/ -67+*7*6 8760/ - 4++,-. -6/07 : - 2/ ;/759,-.0-647/,0- 2/ 6.0 -.7 28 -07- 2 6.0 52 3 7*3 60 : 10/760 /0+,2*- 2 6.0 + 2;0 .0= 7/0 / 0 ,* 6;0 6/21,5- [/88#2%'!!#/ ,?0- ,* 3,65.0- ,* 4/210 7*3 2/6.' : 0/,57J !$%'8#/ ,* 6.0 7+22*- 2 6.0 246.' 2 /7*50 7*3 2 +0,,7J 9..#/ ,* 6.0 : 433= -7 6 :7/-.0- ,* ;26.' 52*6,*0*6- .0= 7/0 2 *2 4-0 62 :7*

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R@*+ 4 ?+9B 9?? ! / +7 +@>980@? ?+*847A 94@ 9;+ 87 <0B9? ?@>B98:9= 08 0*+ ;:# C9+ 0 9=" .'$#3!" 9; *8:9= *;= B9B>8*;0@? *+ +79 >*?9" ,!/)" ;9*8# 0-* 08 0> 0;:" 8="('& H # C*8* 9 # 0 +9;@; +9= >A +8*;?-98?9 -9;@ 9?# >9+/99;/7 47 +79 49 @ *8 + ??@9 ? ?0B9+ B9? /*;+ ;:# /79;+79 9* ? ? 9 9:*;+ A *++ 49= G 9(#"/8)"/':'8'&$"/!#& 5 " 8 /7 +9 08 C ;F# ;*@; *+98* ? ? BC 9 08

M =5 ?C F9# *+5 +795+0C5 0 5 *;5 *5 *8A5?4*C9# 9;4 0?9=5 *+5 8?+5 ;5*5 B9B>8*;0@?5 085 40 0@89=5 40; 4*5 ?C*+795 2 5 # 085 M C7A 0@?# 4*=@40@?5 085 C98? ?E +9;+# ?0B9+ B9?5 *440BC*; 9=5>A5 H H 5 = ?+ 470@?5 /7 +95 +7 4F5 *;=5 *4489?49;+5 >8*4+?5 G .3837'$38 5 - 5 N H # 7AC0:A;0@?# ?@> 9R@* 6 ?@>@ *+9# C98? ?+9;+6 /8$%'"&5 0-0 =# >*? 59=# 49 9=56 .3!!'85 : 0>0?9# 085 *4@+9 A5 9 C+ 45 % 5 M # *:0; ?7*C9=# ?9?? 9# H 49 9=6 &$-!'5 40;+ ;@0@?5 / +75 +795 0-*8A# 0> R@9# *;=5?+ : B*+ 980@?5 0;5 +795 ; ;985 *496 3(9!'& N# ;?98+9=5 *5 ++ 95 +05 0;95 ? =95 *+5+795>0++0B5 0 5 +795 49 # *?49;= ; :# *;*+80C0@?5 # " 5 *5 H ?99=9=5 0 4 95 5 / +75 B9B>8*;0@?5 085 ?@> ?C0;:A5+9?+*6 /!,9 '85 5 " - ! 5 0-*5 085 9 C+ 4# +7 4F# 40BC89??9=# 8*= 4@ *85 9;=5 ; 98 08

P 12*2+062*5 P 4?,/7*3/7

B .3837'$385 ,-5 0,=5 5 2-0 =5 7 ,035 625 3$/ '2'5 7*35 ,-5 3,-6,*+4,-.035 5.,0 =5 ;=5 6.05 .,75,-5 .=125 + C*24-5-67:0*-5 7*35-45; ;7-75 2?4 0-S

.0-05 +0*0/75 ;0 2*+5 625 6/21,575 /,575 *3,75 7*35 737+7-57/5 .05 *7:05 9(#"/8)"/5,-5 6790*5 /2:5 6.05. 737+7-57/5 7*+47+05,*5 8..5.5 6.05 82/35 3 #"98)"395 -,+*, ,0-503,; 05 /226 7*35 ,-5 711 ,035 0>47 =5 625 -0?0/75 -105,0-5 25 2-52/07J 6.05 /226 2NU5,-5 24*35;07/,*+5 6.05 -7:05:07*,*+5 6./24+.246 6.05 ,-7*3-5 25 6.05 246.0/*5 507*5 O 05.7?05 *26,503505 0-08.0/05 6.76 6.05 7'89&5 ./#% ##5 25 24/0,,25,-57 - *2*?:5 25 /9"9"9&

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8;9508589?7 /+98 *;;@*5 085 C989;;*5 ! 5 - 5 4899C;:5 085 800+;:# >8*;479=5 5 * +98;*+9# = ?+ 470@?5 085 0CC0? +9# 0 +9;5 4 0?95 +0:9+7985 *+5 +795 +0C5 0 5 +795 ;+98;0=9?# ;9*8# H M ;98-9=# 9;+ 89# 085 + C5 =9;+ 4@ *+9# >*?95 ?79*+7 ;:# C98? ?+9;+# 085 0 ;+9=5 *;=5 4*=@40@?5 6 &%'/$% @8; ?79=5 / +75 ;+8*-*: ;*5 899 085 40;;*+9 B9B>8*;0@?5 ?+ C@ 9?# ?0B9+ B9?5 *440BC*; 9=5 >A5 ?4* 95 D %92/7"3&$#&I6 &./)#2'& @?@* A5 ?0 +*8A# ?0; 9+ B9?5 ?9-98*5 @; +9=5 ;5 *5 40BB0;5 ?C*+79# 9*475 @8; ?79=5 / +75 *5 -* -9=5 ?C*+79 *# *;=5>9*8 ;:5 M N6 0/98? G 0? =0B *I5 " 8 5 5 G 3&#)38#/5 085 B0;094 0@?5 B[3&$'"4/5 085 = 094 0@?5 G / /&5 %92/7"3&$#& >5 ?0 +*8A5 B %92/7"3&$#& 5 085 ?@> ?0 +*8A5 B / /& 5 085 ;5 *5 *8A5 *?4 4 95 B /9!#8#/ 5 085 @; +9=# 5 085 B089# 0;5 *5 ?C*= 545 40;+* ;9=5 ;5 *5 0 *490@?5 ?C*+795 2 5 5 B[3&$'"/5 %-!!3&./)#?5 %92/K 7"3&$#&5 3&#)38#/5 =2 E 08+@>@ =8# B9B>8*;0@?# 0>9=5 B /9!#8#/5 / /& 5 3'6$9,9!/"5 =9;+ 4@ *+9 B /!3.%#!/5 5 - 5 H B / /&5 /9!#8#/5 [3&$'"/5 U4 I# 085 5 B %92/K 7"3&$#& 5 085 M5 B 3&#)38#/5 5 :#!/ '8$& 5 B / /& 5 085 -98A5?708+# ?4* 9 F9 B[3&$'"/5 085 = *+9=5 *;=5 *8 ?+*+9 B 3&#)38#/5 3'6 :9B ;*+9 *;=5 407989;+5 B %92/7"3&$#& >5 /8$%'"& H 5 49 9=5 B[3&$'"/5 3'6 49 9=5 B 3&#)38#/5 %92/7"3&$#&5 U4 I# 085 49 9=5 B /9!#8#/5 / /& 5 =97 ?49;49 0;: +@= ;* 6 C0cc9/5 @?@* A5 40; 98-0=5 B[3&$'"/5 %92/7"3&$#&5 U4 I# 085 : 0>0?9 B / /&5 /9!#8#/ 5 - 5 H # = ?+ ;4+# H 49 9=# @?@* A5 H 0-@ 9=# ?0B9+ B9?5 / +7 M ?9-98* 0-@ 9=5 C*8 9+*5 C *49;+*?5 B /!3.%#!/5 ' 83.&#& >5 &$#7 /& 5 *C 4@ *+9# 085 M 08B# ?0B9+ B9?5 0 ;+9=5 *+5+795+0C5 0 5 +795 ?+A 95 B /!3.%#!/5 U4 I# 8*89 A5 = ?40 =5 *;=5 ?7*8C A5 >8*;47 ;:5 B 3&#)38#/ E 3(9!'5 C9;=@ 0@?5 *;=5 0 +70+80C0@?5 B[3&$'"/5 3'6 4*BCA 0+80C0@?5 B %92/7"3&$#&5 U4 I# 085 *?49;= ;:5 *;=5 *;*+80C0@?5 B /9!#8#/5 /!3.%#!/5 5 U4 I5 " 5 @?@* A5 *5 ; @+5 085 @+8 4 9# ?0B9+ B9?5 *5 >988A5 B 3&#)38#/ 5 ;=97 ?49;+# 085 0C9; ;:5 B089 085 9??5 889:@ *8 A5 *+5 :98B ;*+ 0; 5

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+@8 ; 9=’ >*4F’ GB*: I

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O*D*? B*DO8 ’
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7 + ’ ’ O / 98’
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G (*: I ’ G _ 8*@ ; K

; +798’
4O-989=’ >A’ +79’
C*=*; +>’ GB*: I

! + ’ B>8AO# 9 ; + 89’ * ; =’ 4@+’ -98+ 4* A’ GB*: I

8 (5 ’ + E ’ Q’ C *; +’ OB 9+ I

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O ; 98-O =’ CO 9 ; ’
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-4 ; + 2 ; 4 7/' 2/' 2?2,3J $'&#/5 6 ; , *' 2/' : 0 : ; /7*24-' - : 226 .' 2/' /06,54 760' " - ! 1 ' : 75/212324-

h2-60/7' .457+/2-6,-' 0 : *21-,-' .= 2-173,G' 74 ,*,7
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[3&$'"/' ,* . 7 ; ,6-' 6 ; -' 0-641,,0-' 2 '6,0' 2/6 .' 07' 7*3' 6 7*6,5' 7*3' *3,7*' 507*-' 3&#)38#/' 7*3' %92/>' ::"3&:#&' 6 . 0' 03,60//7*07*' 7*3' %-!!3&. /)#?' 6 . 0' 80-60/*' -. 2/0-' 2 ' 2/6 .' : 0/,57' /9!#8#/' 7*3' 3# /&' ,* . 7 ; ,6' /0-.' -6 ' 8760/-' ,*' 4/210' 7*3' : 0/,57' *' 2 7*3' 6 . 0' 07?0-' 2 ' [3&$'"/' 7/0' 4-03' ,*' 6 . 0' 52*H -6/456,2*' 2 '3=90-' 2/' -2 : 0' =07/-' 6 . 0=' . 7?0' ; 00*' 4[03' ,*' /7*50' 2/' -64 ,*+' : 766/0--0-' 7*3' 2/' 1759,*+
3/,0*' 30' ! 4--,04 ' 8 . 2' 643,03' 6 . 0' 5 7--, ,576,2*' 2 ' 2*2526= 032*-' 3,?,303' 6 . 0 : ' , *62' 7 ; 4 : , *24-' 7*3' 0G7 ; , : , *24-' 7*3' 6 . 0' 7660/' 7+7,*' , *62' 60//0-6/,7' D "2%#)'2& ' 7*3' 7>476,5' . 0' 0G7 ; 4 : , *24-' 7>476,5-' . >?0' ; 00*' 3,?,303' , *62' 682' -056,2*-' 7552/3,*+' 62' 6 . 0' 1/0-0*50' 2/' 7 ; -0*50' 2 ' 7' 6/40' 10/,7*6 . ' . 0' 5 . 7 : =3024-' -056,2*' ,*5 430-' !#& /2'3'5' 9$ ' ' '5' 7*3' -)"32%/"#)' ' '5' 8 . ,5 . ' . 7?0' -,G' 10/,7*6 . ' 3,?,-,2*-' 6 . 0' 6 . /00' ,**0/' 1067 2,3 ' 6 . 0' 26 . 0/' -056,2*' 52 : 1/,-0-' 982/7#8'2'5' * /#/)' /5' 3$/8?'2"5' 7,,3' [3&$'"/2'225' 8 . ,5 . ' . 7?0' 6 -57 =' : 0 : ; /7*24-' 2/' . 0/ ; 75024-' 10/,7*6 . ' 2/' 7/0' 75 . 7 : =3024-' . 0' 6 . /00' 7 : , ,0-' 2 '6 . 0' ,/-6' -056,2*' 7/0' 3,-6,*+4,-.03' ; =' /00' 2/' 52 . 0/0*6' 2?7/,0-' 7*3' ; =' 6 . 0' 1 750*676,2*' J 6 . 2-0' 2 '6 . 0' -052*3' -056,2*' ; =' 6 . 0' 0 : ; /=2' 8 . ,5 . ',-' ; /75 . =12324-' 7*3' . 2 : 26/2124-',*' # 2/7#82''5' : 75/212324-' 7*3' 7*6,6/2124-',*' [3&$'"/2''&5' : 75/212324-' 7*3' 7 : 1 . ,6/2124-',*' 3$/ '235' : 75/212324-' 7*3' . 2 : 26/2124-' ,*' /#/)'''

O ,6 . ' : 23, ,576,2*-' 80' . 7?0' 7321603' 6 . ,-' 5 7--, ,576,2* P' 7*3' 7 60/' : 7*=' 0*307?24/-' 80' . 7?0' -45H 500303' ,*' 4*,6,*+',*' 8 . 76' 71107/' 62' 4-' . 2 : 2+0*024-' +/241-' 6 . 0' 0G7 ; 4 : , *24-' 7>476,5' 2*2526= 032*24-' +0*0/7' 1 7503' ,*' 2*0' 7 : , =' ; =' : 2-6' ; 267*,-6-' O ,6 . 246' 2?0/ 229,*+' 6 . 0' 5 2-0' 7 ,*,6=' ; 06800*' 982/>' 7#8'2 5 3$/ '3 ' /#/)'/5' "5 ' 80' 6 . ,*9' 6 . 76' 6 . 0' 2, : ' 2 ' 6 . 0' -6,+ : 7- B 0*6,/0' 7*3' 10 6760 ' 2/' 3,?,303' 7*3' 12,*603 B : 7=' -0/?0' 62' +/241' ?0/=' *764/7 =' 6 . 0' 3, 0/0*6'+0*0/7'2 ' /#/)' ' 7*3' 3$/ ' 5' 6 . 0' 7660/' ; 0,*+

P 60/' : 7*=' 7660 : 16-' ; =' : 7*=' ; 267*,-6-' ,6' ,-' -67*50-' 6 . 0' -, : 1 0-6' 7*3' : 2-6' 1/756,57' ,-' 6 . 76' 7321603' 1/066=' 5 07/' 6 . 76' 7*=' ,*07/' 7//7*+0 : 0*6' 2 ' 6 . 0' 2*2 ' ,*' 6 . ,-' 82/9' 00' =*21-,-' 2 ' /30/-' 76' 6 . 0' 0*3 B' 516= 032*26,-' 7 : , ,0-' ,-' >4,60' , : 12--, ; 0' 7*3' 6 . 76' 6 . 0/0' ;
,-' ,66 0' 5 . 2,50' ; 06800*' -0?0/7'2 '6 . 0 : J 4*30/' 8 . ,5 . ' 5,/

52**056O3' 8,6.' # 2/7#8'2'' 6',-'6.4-'6.76' 8O' .7?O' 4*,6O3' 62' 9$/ '/#5 9..#/5'8.,5.'.7-'.,6.0/62' ;00*' 1 750З' *07/' 3&#)38#/' 7*3' [3&$'"/' *'6.O' 26.0/'.7*3',6',-'1/2;7; O' 6.76' 8.0*'6.O' /4,6-' 7*З' -003-' 2' /!3.+!/5' ' 83.&#&5 "5' 7/O' 9*28*''7' 7:,='8, ';O' :730' 2'6.0-O' +0*0/7'8.,5.';='',6-' :7*= k?4 03' 2?7/,0-'8,6.'17/,067'1 750*676,2*'8, '-67*З',*'6.O'-7:O' /0 76,2*' 62' /#/)'2'' 6.76' 9$3" /' 32' 62' !#&>' /2'W'5 8.,5.' .3837'$38'7*3' 9(#"/8)"/'7,1/272.

6' 71107/-' -410/ 424-'62' 3,-54--'6.O' 1,230/4' ?,08 ';7-03' 2*'6.76' 2' 37*-2*'8.2' 52*-,30/-' I7-'?0/=' /76,2*7'#6.O' 7 ,*,6='; 06800*' &8#/2'2& 7*З' +/)9!/''2&5 7*З' 8O' -.7 '/067,*' 24/' 21,*,2*' *6,'8O' ,*3' 2*' 0G7:,*,*+'6.0,/' -003-'8,6.' 2/' 8,6.246' 7' :,5/2-5210'7*' 7 ;4:0*' 7*З' 7' 3,526= 032*24-' 0:;,=2' ,*' = 7= 62/8'8.,5.' 37*-2*';0 ,0?03'6.76'.O'.73'-00*' 4-6' 7-'.O' 7*5,03' .O' -78'682' 526= 032*-',*'6.O' -003' 2' 003-

',*'-1,60' 2'6.O' 52*-5,0*6,24-' 82/9' 7*З' 6.O'-7+75,24-'2;-0/?76,2*-'8.,5.'34/,*+'6.O' 7-6' .4*3/03' 7*З' , 6='=07/-' .7?O' -2' +/076 ='73?7*503' 267*=' ,6',-'7 287; O' 62' /0?,?O' 17/732G0-' 6.76' .7?O' ;00*' 7;-2 460 ='52*30:*03';='-5,0*50'J, ':0/O'-410/ ,5,7'/0-0:; 7*50',-'-4 ,5,0*6'62' 0-67; ,-.'*764/7'7 ,*,6=' 80'32' *26'-00' 8.='80'-.24 3'.0-,6760'62' 2 28' 37*-2*',1' 4*,6,*+'7-'.O' .7-' 32*0' -28)' '8,6.' 7:-' "#&$3!33+'2'' 8,6.' 62)!#&8'"#/5' 3!77/!/(##$%' #$%- /!'2 5'7*З' 2' 2/6.

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* ++ 9 *>0-9 +79 >*?9#?0B9+ B9? 08+70+80C00? / +7 +79 B 480CA 9 ?@C98 08# ?0B9+ B9? B089 08 9?? * ; *+80C0@? / +7 +79 B 480CA 9 ; 98 08# 08 *4 ; : +79 / * 0 +79 0-*8A : - ?0B9+ B9? M H 49 9=# M H ?99=9=# ?0B9+ B9? M 0>9=# ?0B9+ B9? 40BC0?9= 0 M = ?+ ; 4+ 4*8C9 ?# *440BC* ; 9= *+ +79 >*?9 / +7 +79 C98? ?+9 ; + * ; = @?@* A 7*8=9 ; 9= C98 * ; +7 & ! 1 08 / +7 ?B00+7 08 ?4* A 9C 4*8C &8""828#Q. 9?7A# * ; = ?0B9+ B9? 0 A 08 >80@? '8)32/". B9B>8* ; 0@?# >80@?# / 00=A# 08 >+K;A 0> 0 ; :# 0-0 = 08 ?C798 4* # 9894+ 08 C9 ; =@ 0@? *+98* A $'&$/ 0 +9 ; * =798 ; : +0 +79 9 ; =04*8C /!, 9 '8 40C 0@?# 4*8+ * : ; 0@?# 708 ; A 08 ?@> / 00=A# =8A 08 0 A# 70B0E :9 ; 90@? 08 8@B ; *+9 " - ! C89??9= * : * ; ?+ +79 C98 C798A 0 + 9 ?99=# * ; = 40-989= / +7 *+7 ; *A98 0 * >@B9 ; # +@8> ; *+9 08 40 ; 4* 08 4A ; =8 4 6

040* ; @+ D & B 8@ +4@+ -98+ 4* A 9 ; =04*8C +9?+* & * >@B9 ; 9B>8A0 8@ +# 0 ; 9 +7 8= ; *+ ? <9 P 4*- +A 044@C 9= >A +79 B F

040* ; @+# ?99 ; 9 ; :+7 / ?9#?70 / ; : +79 +7899 ? =9? 40889?C0 ; = ; : / +7 +79 +7809 C8 B + -9 4*8C9 ?

04 * ; @+# ?99 ; 80B k9 0 / # * ; = ?70 / 7 : +79 +7899 4*- + 9? 40889?C0 ; = ; : +0 +79 +7899 08 : ; * 4*8C9 ?

8@ +# 9 ; + 89 * ; = 4@+ -98+ 4* A

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%*+9 –&6>*5
4>@ @PXX

%*+9 99=9;+8*;?-98?9 A %*+9
GB*: B> AO GB*: I

! ! 6 A

899? O8 ?78@>? / +7 C ; ; *+9# C C; *+ = O8 7 C ; ; *+9 9*-9?* C ; ; @ 9? / +7
4@8-9= B*8: ;? S C*+79 C0 AC7A 0@?# 8*89 A B0;0C7A 0@?# -98A 8*89 A 0/98?
B0;494 0@? O8 = 094 0@?# ?9?? 9 0; * ? ; 00+7 0-90 *+9 O8 >8*4+90 *+9 8*47 ?
+*B9;? 7AC0:A;0@? 8@ + =99C A 0>9=# * >988A O8 =8@C9 >@B9; 70B0E
:9;90@? O8 8@B ; *+9 B>8AO @?@* A >*? *8

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P .7 : -032/07 /,7/607 07 2/6.,7
P /057 =21 ,2/ ;0 P /0*+7
7**7 0*6,7 /0232G7
=2-176.0 0/2G= 2* /7*,7
,*7*+7 *257/14- f 7/=267

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3 'A ' (" 8! 9'& "

: 7/+,*-' 176.0-' , : 10/ 056' 2/' /7/0 =' 10/ 056' 280/-' -0--, 0' 4-47 =' ' 2/' 12 =+7 : 2 3,505,24-' 67 : 0*-' .=12+=*24-' 2/' 10/,+=*24-' /4,6' 7' ;0//=' J 7 ;4 : 0*' .2 : 2+0*024-' 2/' /4 : ,*760' : ;/=2' 32/-7

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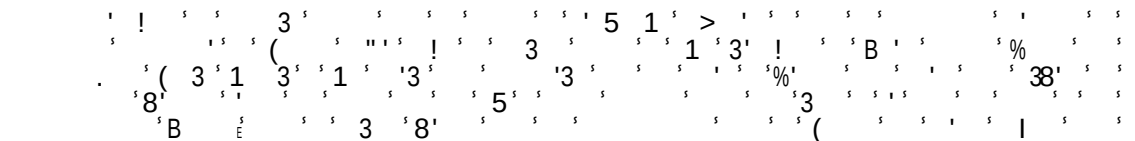
7/+0' 2/' - : 7 ' 6/00-' 07?0-' 1,**760J 1,**4 0-' 8,6.' 3054/?03' : 7/+,*-' /4*9' 6.2/*=' 2/' *26' 280/-' 76' ,/-6' 0*5 2-03' ,*' 6.0' -176.0' 3,5 ,*24-' ;/75602 760' -0--, 0' 2/' -4*9' ,*' 1,6-' 2/ : 03' ;=' 6.0' 4*,2*' 2 ' 6.0' ;/756-' 67 : 0*-' .=12+=*24-' , 7 : 0*6-' 52* 40*6' 76' 6.0' ;7-0' /4,6' 7' 3/410' -7/5257/1' ,;/24-' 2/' 2, =' D !/ '#& 5



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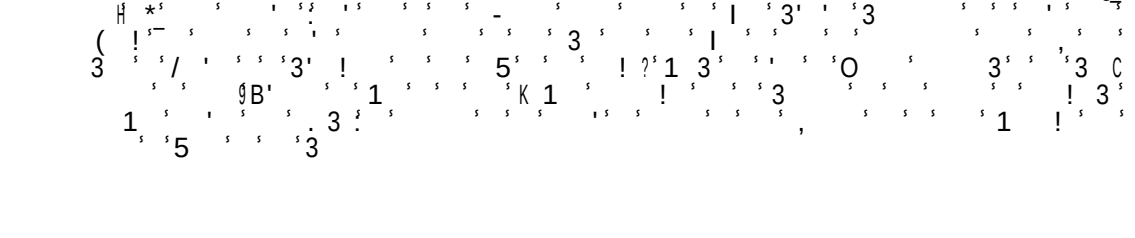
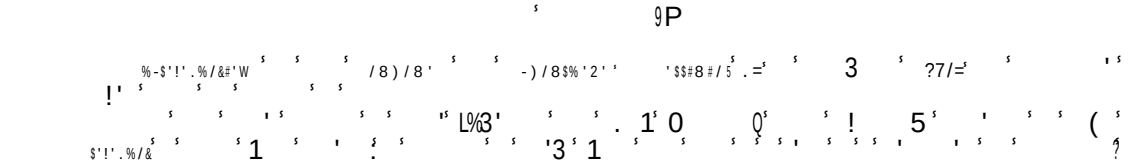
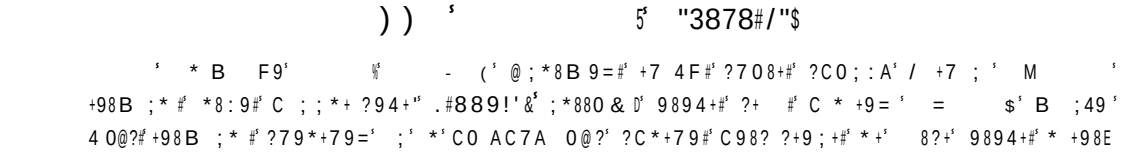




)) 5 "3878#/"$



15 (-*8A4@+-98+ E 4* A GB*: I
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" 8 383'2#39&5 #8 /' & 8!2'" 3'" %'/)&5 &'/$')' 38' /' &./)#?' 2 $' , /223 ./8#')' %-' ,"#&$!'&' 3'" &2/!'&' % " NAH>2'!!')5 !Q3(9!')45 .'8)9!39&5 /8/$"3.39&' 2)"-' 3'" :!'&%-' 2)%9 #839&' " - ! ; /?# J 3'" , '&9.'"#3" B - '%'", /2'39&' /!$'"8/$'

>476,5' 2/' : 7/-.' ! 4' 10/0**,7 ' 8,6.' 5/001,*+' /.,M2 : 0' - 4 5= ,*3/,5' *26' 9*266= '-2 ,3' -, : 1 0' 2/' ;/7*5.03' ' 7 60/*760' ,*07/' 6/,760' 0*6,/0' +76.0/03' 76'6.0' ;7-0' 2 '6.0' -60 : ' -.076.,*+J 6.0' 57* ,*0' -4 ;60*3,*+' 6.0' -173,50-' 2/' 2/ : ,*+' 7*' ,*?2 45/0' ;0 2/0' 280/,*+' O %8 ', : 10/ 056' -07603' 2*' 7' : 2*20H 5,24-' -173,G' ,*' .073-' D ./"7/8#9 5' /' 30*-0' -1,90-' -2 : 06, : 0-' 52*6,*424-' 7*3' 4/*,-,,03' 76' ,*60/?7 -' 8,6.' 2 ,75024-' ?0/=' 5734524-' -176.0-' -2 : 06, : 0-' ,*60//41603' D -.%/ E 6.0' 4110/' 280/-' -67 : ,*, 0/24-' 6.0' 280/' 1,-6, , 0/24- B O 8 ' [@' 2 '=# - ' *4 : 0/24-' 7552 : 17*,03' ;=' ;/,-6 0-' 2/' : 0*,;/7*24-' -57 0-J /8$%'"&' ;7-, ,G03' 2 ; 2*+J 50 -' T' 2 60*'-.2/60/'6.7*'6.0' 52**056,?0' D -.%/ 5' 210*,*+' 2*+,643,*7 = B O 8 ' [G' 2 ' =' % & ' 7552 : 17*,03' ;=' ;/,-6 0-' 2/' -57 0-' -0--, 0' G ./"7/8#9 5' 2/' 2*' 2*+' -67 9-' 8.0*' /,10' G -.%/ 5' 8,6.' T' 2?4 03' 50 -J &$-!'' 52*6,*424-' 8,6.' 6.0' 2?7/=' -, : 1 0J &$#7 /' 4*, 760/7 ' 171, 2-0' ,*+4, ' 2/ : ' 0 2*+7603J 3(9!'' 10*34 24-' /2 : ' 6.0' 621' 2 '6.0' 50 ' 7*76/2124-' O ' -4; ' 3/4175024-' 2/' 3/=' 7*+4 7/' 6,1103' ;=' 6.0' -6= 0J '.#2/".' : 0 : ;/7*24-' 2P-4; -12*+=J '8)32/".' -4; 8223=' ,*30.,-50*6' G ./"7/8#9 5' 2/' -1 ,6' 2*' 2*0' -,30' 8.0*' /,10' 7*3' 0*3257/1' 52/,75024-' G -.%/ ' ',*?0/603CJ 7/,*75024-' 2/' 0-.=' 521,24- " - ! 1 '-6/7,+.6' 7G, 0J "/)#2!'' -410/,2/

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;/,-6 0- 7*3 ;= 5 7?760 /43, : 0*67/= 2?7/,0- /4,6 3/= 01,57/1 -1 ,6 2* 2*0 -,30
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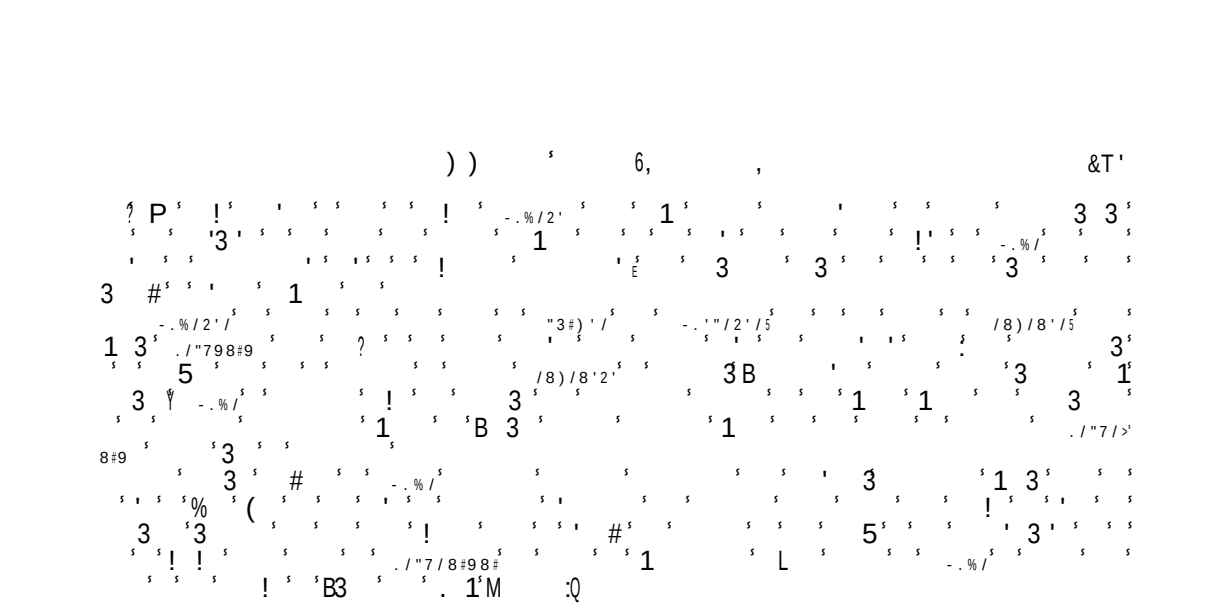

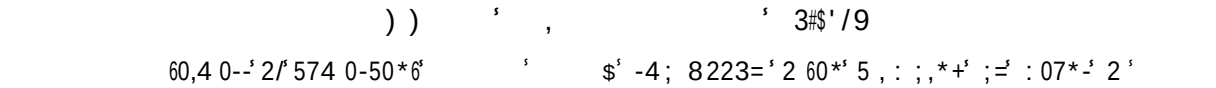

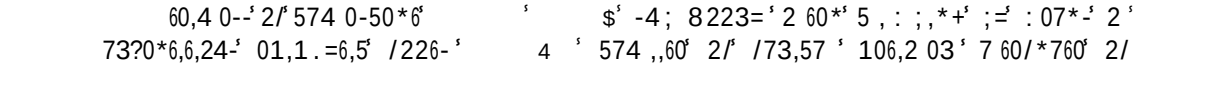

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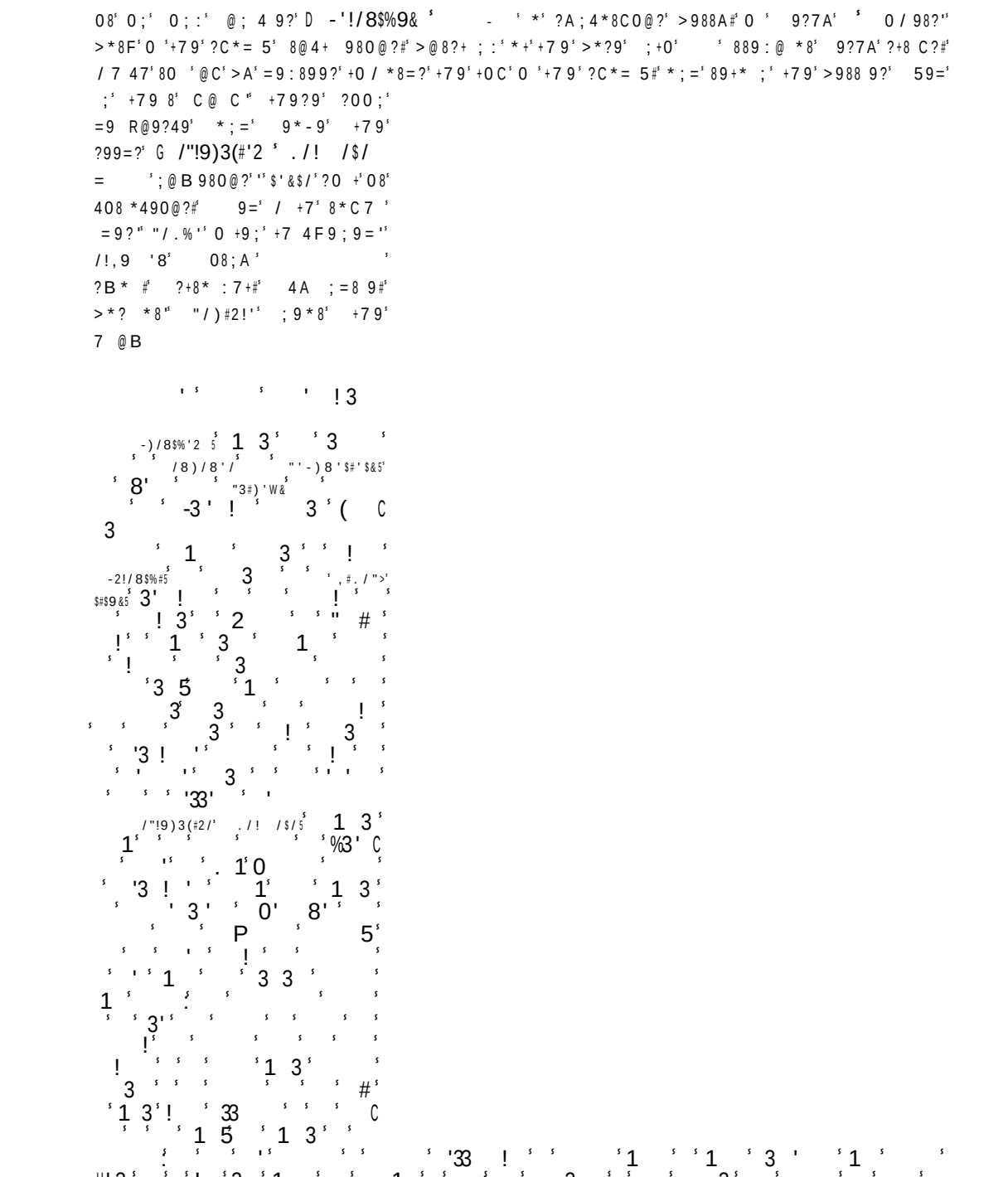
G /"!9)3(#2/ ' % ' 0>9=' *+' +79' +0C#' H 49 9=#' 00 0-@ 9=#' / +7' ' C*8 9+* '
C *49;+*?'" &$#7 /&'?B* #'?9?? 9#' / +7' '*;+980 C0?+98 08' 0>9?'G -)/8$%9& 5'08' ;9*8'
;=';?/ 98 ;:'+0'+79'C *49;+*?'G /"!9)3(#2/ '" 08/c9?'*;*+80C0@?#'?9?? 9'G /"!9)3(#2/ 5



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C?+ 8@+‘GB*:I, ?+98 9‘?+*B9;? GB*:#I

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+ 84‘+98B ;*#‘8*89 A‘ *+98* “ &./$%'&‘ @?@* A‘A9 0/‘O8‘89=‘ = $‘
C0A:*B0=494 0@?#‘? BC9#‘9;+89 A‘40-989=‘/ +7‘;*F9=‘ 0/98? 1 * ‘6‘;‘*‘
+@ +#‘0+9;‘:80@C9=‘*80@;=‘*;‘*>08+-9‘0-*8A‘ = ‘ ‘‘ 5!/ '8$&‘ O8B#‘
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H 49 9=#‘B*;A0-@9=#‘*440BC*; 9=‘*+‘+79‘>*?9‘/ +7‘?+98 9‘?+*B9;?#‘ / 7 47‘*89‘
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;+80C0@?#‘*?49;=;:#‘ ?98*+9‘O;‘M‘C*8 9+*‘C *49;+*?#‘ ;9*8#‘* +98;*+;:‘/ +7‘+79‘
?+:B*?‘ K ‘*::89:*+9=#‘H 49 9=#‘?9-98* ?99=9=‘ = ‘ B ;@+9#‘?@;F‘ ;‘*‘
40 0C8 9??‘C* C#‘9894+‘O;‘?7O8+‘ @; 4 9?“ $'&$/‘B9B>8*;0@?#‘?B 00+7‘O8‘?+8 *+9‘“ "/.%'“
+98 #‘B089‘O8‘ 9??‘=9-9 0C9=#*;=‘?+80C7 0 *+9“ /!,9 '8‘ 9?7A#‘=9;?9‘ ‘
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; O89?49 ; 49’4@+’ - 98+ 4* A# ?70 / ; :’ +79’C ?+ ’* ; =’*; =8094 @B’?9C* .*+9=’ >A’*’ 9?7A’= *C78* : B ’

?+ ’4O - 98 ; :’+79’= * ’ C78* : B’ / 7 47’7 =9?’+79’ *; =8494 @B

- *8A’4@+’ - 98+ 4* A’ GB*: I

= 0 / 98’?99 ; ’ 5 E’ 8O ; +’

6 7

(’C9’4*8C9 ’GB*: I#

" 98+’4* ’?94+ 0 ; ’O ’C ?+ #’ ?70 / ; :’+79’C9 ; =9 ; +’ O8+7O+8OCO@?’ O - @ 9?

(G’ " D*8A# ?70 / ; :’ +? C8O94+ ; :’ 9 ; =0?+0B9

99=’GB*: I#

1 5" 5(5* >@B ; O@?’?99=’ 4@+’ - 98+ 4* A’GB*: I ’ G ?*’ 8*A I

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8 . / -' + ' / * -' ! " # '
/' 8+70+8OCQ@?' O-@ 9' 4@+' -98+ 4* A#' *;T' +79' 7* 8?' *440BE C*;A ;:' +79' C *49;+*' G ;;: I
8 '1 ' ; O89?49;49
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8 B>8AO' GB*: I
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8 O8+ O;' O ' *;=8O94 ;B' GB*: I

8 99=# 9;+ 89' *;=' 4@+' -98+ 4* A' GB*: I

A & 8*;?-98?9' ?94+ O;' O ' O / 98' C*8+' O ' O-*8D.
@ & 8*;?-98?9' ?94+ O;' O ' @CC98' C*8+' O ' O-*8A
(' >((' O / 98' ?99;' ;' 8O;+' GB*: I
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0 8 ! ' 383'2#39&5' 3'" '/"'!-')#3'2#39&5' '"" E ' #8&'"$')' 38' /' &# .!'' &./)#?5' :9"8#&%')' <#$%' /' &./$%'5' <#$%' 3'" <#$%39$' /'.'"#/8$%' % ' N>&'('"/!>2' !')E ' %/&#!/'" 3'" ./"#'$/!5' '"'2$5')&2'8)#87' 3'" .'8)9!39&5' 3"$%3$"3.39&5' '/ .-!3$"3.28#&' 3'" /8/>' $"3.39&' 0 ' /' ,'""-' ' /!,9 #839&5' 3'" ('"-' "/"'!-' '?/!,9 #839&' " -! ' /?#!' O $' !'&&' 3'" 2/9!'&2'8$ ' '"/)#2/!' 3'" /!$'"8/$'5' ,!/)"')#!/$')' 3'" !#8'/"5' 8'"('&."3 #8'8$5' "'$#29!/$'

-47 =' ./;75024-' 4',?,6.' 52 24/ 0--' 2/' :, 9=' -71' 10/0**,7 ' -2 : 06, : 0-' 8,6.' 7' /.,M2 : 0' 2/' 64;0/-' 7*3' 6.0*' -60 : 0--J' -2 : 06, : 0-' 574 0-50*6' 8,6.' -6/7,+.6' ;/7*5.03' 7*3' 7/;2/0-50*6' -60 : -' : 7/903' 8,6.' 106,2 7/' -57/-' -2 : 06, : 0-' -7/ : 0*62-0' 2/' 5,: ;,*+' ;=' : 07*-' 2' 73?0*6,6,24-' /226-J -2 : 06, : 0-' ?,?,17/24-' D ' 9&/$#/' (#(#>' ./"/ 5' ?0/=' /7/0 =' 276,*+' G #&$#/ ' < ' -2 : 06, : 0-' -2 ,67/=' 4-47 =' 60/ : ,*76,*+' 7*' 01,+07' /.,M2 : 0' 2/' -60 : '7 60/*760' + 7;/24-J.'$#3!'&'-.076.,*+' 76' 6.0' ;7-0J ,!/)' 4-47 =' 3, 7603' -6/2*+ =' 17 : , 10376 10 6, *0/?03' 52/3760' 2/' .7-6760' 0*6,/0' 2/' ?7/,24- =' 546' -2 : 06, : 0-' 10/ 2/7603' 2/' .4 ;, , 0/2*-' ?0/*76,2*' 52*?2 460' ' 2/' ' 60/ : ,*7603' ;=' 7' -173,G' '" : 2*21.= 24-' ?7/,24- =',*?2 460' 10/-,-60*6' 2/' 305,3424-' .' -, : 1 0' -1/,*+,*+' /2 :' 6.0' 7G,' 2' 6.0' -176.0' /00' 2/' 73.0/,*+' 62' ,6-' :,3/,;' -0--, 0' 2/' -6,1,6760' 0*6,/0 =' 52?0/03' 8,6.' 280/-' 2/' 60/ : ,*7603' ;=' 7' -60/, 0' 7110*37+0' ?0/=' ?7/,24-' ,*' 2/ :' 0 8 ' 4-47 =' , : 10/ 056' /7/0 =' -0--, 0' 2*' 6.0' -173,G' 6.0' N' 4-47 =' ;0 28' 6.0' S' 7;2?0' 52*6,+424-' 2/' -017/7603' ;=' 7

*7903' -1750' 2/' ;=' /43, : 0*67/=' 2?7/,0-' 2/' ;=' -67 : ,*230-' 8 ;,5;' -2 : 06, : 0-' -455003' 6.0' S' 280/-' 7*3' 5 26. 0' 6. 0' 621' 2 '6. 0' -173,G' 2 ' $' 2/' D,*' 6. 0' +' 280/-F % E < & 1. = 24-' 2/' 2 & ,3' - ' *4 : 0/24-' /00' 2/' ?7/,24- =' 52. 0/0*6J :#!/K '8$&' -. 2/6' 2/' 2 ; -2 060J /8$%'"&' 0G6/2/-0' T 50 03' 210*,*+' 0,6. 0/' ;=' 7' 2*+,643,*7' 2/' 6/7*-?0/-0' - ,6' 2/' ;=' 7*' 71,57 '2/' -4 ; 71,57' 12/0J :3 '8>7"/#8&' -2 : 06, : 0-' 7++ 4H 6,*7603' % ' +0*0/7 =' 7++/0+7603' 3,-6,*56' 2/' A02. 0/0*6' 50 03' 2/' T (% ' : 7*= 50 03' ;=' 1/2 2*+76,2*' 2' 6. 0' 17/,067' 1 750*67-' 4/*,-. 03' ,*60/*7 =' 8,6.' .7,/-' 6. 76' -05/060' 7*' 7;4*37*6' : 45, 7+0E' &$-!'&' $' 2/' -, : 1 0J &$#7 /' 571,6760' 2/' 3,-52,3' 4*3,?,303' 2/' -2 : 06, : 0-' 2;03' D &$'"3&$#7 / J 3(9!'&' -2 ,67/=' 2/' : 2/0' 2/' 0--' *4 : 0/24-' ;7-, 7/' 17/,067' 2/' 71,57 ' 0/056' 7-50*3,*+' -4 ; .2/,M2*67' 2/' 10*34 24-' 2/6. 26/2124-' 2/' 57 : 1= 26/2124-' /7/0 =' 7*76/2124-' 7*3' 8,6.' 0G60/*7' /71. 0' D 3">' .%3. %/!%&' (/"#/%#!#& ' 0 '7*',*30.,-50*6';0//=' -0?0/7 50 03' : 7*= -00303' '-4; +2;2-0' 2; 2*+' 2/' 7*+4 7/J $'&$/' 52/,75024-' 6.,59 ' /!,9 '8' 7/,*75024-' 2/' 0-.=' 521,24-' 3,-71107/,*+' 76' +0/ : ,*76,2*' 2/' /7/0 =' $' D - .!32/". 9& ' " -! ' 8.,60' 2/' +/00* '7G, 0' 64/ ;,*760' 2/' 5= ,*3/,5' 2/' -2 : 06, : 0-' - ,+. 6 =' 7*+4 7/' D 23"9& 5' 2/' ?0/=' /7/0 =' 54/?03' D -"$3&.'" /I

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280/-' E' 2/' ' 7*3' N' 2*' 6. 0' -7 : 0' -173,G' 75. 7 : =3024-' 2/' *26

' ' $ B 176. 0' 07 ,90' 73*760' 62' 6. 0' 1034*5 0' 280/-' +' 52?0/,*+' 6. 0' -173,G' 0/,7*6.' % < 1. = 24-' 67*,0*-' 7-' : 7*=' 7-' 7*3' 2112-,60' 62' 6. 0' -017 -' ?7/,0-' ' (00 03J 2?4 0-' 10*34 24-' 2/6. 26/2124-' 003-' 7 ;4 : ,*24-' B 0/;-' 4-47 =' 52*67,*,*+' 7*' 7/2 : 76,5' 2,' D 52/8-F' /.,M2 : 0' 2,*603' 07?0-' 0*-, 2/ : ' 0>4,67*6' -. 076. ,*+',*' ?0/*76,2*

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' ' % ! ' B' 176. 0' 10/-,-60*6' .0/;75024-' 2/' -2 : 06, : 0-' 52 24/03' G1"/238$#9 5' - .!32/". 9& 5' /7/0 =' $' D "38$#9 ' 173,G' 52?0/03' 8,6.' +' 280/-' 0/,7*6.' % E < & 1. = 24-' 2/' -2 : 06, : 0-' E & ,3' B1"/238$#9 ' 67 : 0*-' 7-' : 7*=' 7-' 7*3' 2112-,60' 62' 6. 0' 10/,7*6. 2;0-' ?7/,0-' 08 50 03J -6= 0' 4-47 =' $' /7/0 =' -4;4 760 0 2*+760' B1"/238$#9 5' 2/' 606/7+2*7 1=/7 : ,37' B - .!32/". 9& J 2?4 0-' -2 : 06, : 0-' ;7-, 7/' 7*3' 57 : 1= 26/2124-' B 3$%3& 5' 2/' . 2/,M2*67' 7*3' -0 : , 7*76/2' 124-' B "38$#9 5' -2 : 06, : 0-' 10*30*6' 7*3' 7*76/2124-' B 8$%9"#9 5' 2/' 57 : 1= 26/2124-' B -"$3&.'" /5' /&#/' 003' 4-47 =' 0G7 ;4 : ,*24- B 0/;-' /7/0 =' 7>476,5' B "38$#9 5' -60 : 0-' 5/' 574 0-50*6' 7*3' 2 60*' -7/ : 0*62-0' 2/' 5 , : ;,*+' B 3$%3&5' 8$%9"#9 ' 07?0-' 7 60/*760' -2 : 06, : 0-' 2,*603' B 3$%3&5' "5F' -, : 1 0' 0*6,/0' G "38$#9 5' - .!3K 2/". 9&5' 3$%3& 5' 2/' 1,**76,-056' B /&#/ 5' 2/' 17 : ,-056' 4B 8$%9"#9 5' 2/' 103760' B1"/238K $#9 ' 6,14 7/=' -. 076. -' 73*760' 62' 6. 0' 106,2 0' 2/' 2112-,60' 62' 6. 0' 07?0-' -2 : 06, : 0-' 7 60/*76,*+' 8,6.' 6. 0' 106,2 0' B 8$%9"#9 ' 176. 0' 2*+0/' 2/' -. 2/60/' 6. 7*' 6. 0' -173,G

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' ' 666 ' ! K 5 176 0' 52 24/03' 10/-,-60*6' G /!%$ 5' 2/' 3,05,3424-' G + 38&$'"/5' 2#8)/.&9& ' 280/-' 75 , 7 : =3024-' 173,G' -2 : 06, : 0-' E -2 : OH 6, : 0-' [' ; 0 28' 7*3' 7;2?0' G + 38&$'"/5' 2#8)/.&9& J , 7 : 0*6-' 76J' 7*6.0/-' T 50 0D ' 210*,*+' 2*+,643,*7 =' ?7/,0-' 08 50 03' J -6,+ : 7' -0--, 0' 2/' -4 ; -5--, 2J 2?4 0-' 0/056' 7*76/2124-' G /!!/5' + 38&$'"/ 5'3"' 57 : 1= 26/2124-' G "!8)/.&8& 5' 003' -2 : 06, : 0-' 0G7 ;4 : ,*24-' D 5 : D 71 : -F B 0//0-6/,7' .0/;-' -2 : 06, : 0-' 7>476,5' G /!!/ ' 60 :' 0 2*+760' 2 60*' -62 2*, 2/ : ' ;/7*5.03' 2/' 5 , : ;,*+' 7*3' : 2/0' 2/' 07-' 4/*,-.03' 8,6.' 73?0*6,6,24-' /226-' 07?0-' -4 ; 3,-6,5.24-' ; 730' 0*6,/0' 2/' 10/ 2/7603' G + 38&$'"/5' "=F' 6,14 7/=' -.076.-' 73*760' 62' 6.0' 106,2 0' 2/' /00' 7*3' 2112-,60' 62' 6.0' 07?0-

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280/-' 3,5 ,*24-' 75. 7 : =3024-' 6.0' N' 2*' 6.0' 280/' 6.0' ' 2*' 6.0' 4110/' 17/6 2 ' 6.0' -173,G

' ' $ B 173,G' /00' G 7!/38' /5' #2%/")#/ 5'3"'/)8/$'' $3'$YY=' -176.0' G ./$%#2/".//5' 1#'::'8%/2%#/5' "5F' /7/0 =' 60/ : ,*7603' ;=' 7' -60/, 0' 7110*37+0' G #8'!!#/ ' 280/-' [' 7*3' S' 52*6,+424-' 6.0' Y' 4-47 =' : ,*+ 03' 8,6.' -67 : ,*230-' *6.0/-' /00' 2/' 52.0/0*6' -4*9' ,*' 7' 6.,59' 52**056,?0' 210*,*+;=' 12/0-' ?7/,0-' (50 03J -6= 0' -.2/6' 2/' $J' 2?4 0-' -2 ,67/=' 2/' *4 : 0/24-' 0/056' 2/' 7-50*3,*+' /7/0 =' 10*34 24-' G #2%/")#/ 5' 2/6.26/2124-' 2/' /7/0 =' 7*76/2124-' G #2%/")#/5' 7!/38' /I 1' 0/;-' 8,6.' 9*26603' /.,M2 : 0' -60 : 0--' 2/' 574 0-50*6' 06,2 7/' -.076.-' 0 2*+7603' 6.0' -6,14 7/=' $

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' ' % & B 173,G' /00' 60/ : ,*7603' ;=' 7' *7903' 7*3' -60/, 0' 7110*37+0' G 3!32/&#/5' '!$/8)"/5' "0F' 2/' 8,6.' *2' 7110*37+0' G /!/)#9 5' /8$%3&3 /5' 238$#/&5' -8738#9 5' %#!3)'8)"385' "5F' 280/-' [' 7*3' S5' *4 : 0/24-' 4-47 =' -017/7603' ;=' /43, : 0*67/=' 2/+7*-' *6.0/-' /00' 2/' 52.0/0*6' 50 -' -4*9' ,*' 7' 6.,59' 7*3' 10 6760' 52**056,?0' ?7/,0-' *4 : 0/24-' /00' : 7*= 50 03' -0?0/7 2?4 03J -6= 0' -.2/6' 2/' $J' 2?4 0-' /6.26/2124-' 2/' -0 : , 7*76/2124-' 003-' 7 ;4 : ,*24- B' 0/;-' 8,6.' 64;0/24-' /.,M2 : 0' -60 : 0--' 2/' 574 0-50*6' -2 : 06, : 0-' 5 , : ;,*+' 07 ' ; 730' 10 6, 17 : , *0/?03' 06,2 7/' -.076.-' 2*+' 2/' -.2/6' 6.0' -6,14 7/' $' 2/' 0 2*H +7603' 7*3' 2112-,60' 62' 6.0' 07?0-' 176.0-' 4-47 =' -8006 -50*603

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' ' ' IO(,>. / ."%B 173,G' /00' 2/' /7/0 =' 73*760' 62' 6.0' ;7-0' 2' 6.0' -176.0' : 2*205,24-' 2/' ?0/=' /7/0 =' 3,205,24-' G "#& / 5' 60/ : ,*7603' ;=' 7' *7903' 5 7?760' 7110*37+0' G "9 5' 2/' 7+0 760' G "#&D' / 5' 3"' + 2;2-0' 7*3',//0+4 7/' D 3">

.%3.%/!!9& ' 280/-' ' 7*3' ' *,,/70/2*-' -2 : 06, : 0-' -017/7603' ;=' /43, : 0*67/=' 2/+7*-' *6.0/-' /00' 2/' /7/0 =' 52.0/0*6' 50 -' 7/+0/' 6.7*' 6.0' 52**056,?0' ?7/,0-' /00' 50 03' -0?0/7 4 03J' -6,+ : 7' -0--, 0' 2/' -4; -0--, 0J' 2?4 0-' 2/6.26/2124-' 2/' ?0/=' /7/0 =' 7*76/2124-' D : 2/1 21],7h -F' 10*34 24-' 7*3' 0/056' ,*' 6.0' -7 : 0' 50 ' 003-' 7 ;4 : ,*24-'2/' 0/=' /7/0 =' 0G7 ;4 : ,*24-' G 3".4%3. #2)!9& B 0/;-' 8,6.' 7' 4-47 =' 64;0/24-' 2/' 6.,59' /.,M2 : 0' 07?0-C-6/2*+ =' 17 : , 10 6, *0/?03'0*6,/0'52/3760'.7-6760' -7+,66760'2/' 17 : , 10376, 17/6,60' 176.0' 52 24/03'4-47 =' ?,2 06' + 7;/24-' 2/' .7,/=' 8,6.,*' 7*3' 506,3

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, ,/' 4 : ! M B 173,G',*5 4303' 7*3' 2,*603' 62' 6.0' -176.0';=' ,6-' 621' G "-.$323"-8' 5' 2/' 1/2 056,*+' 7*3' /00' GA $-!32 #2'$38 ' 280/-' N' *4 : 0/24-' 6.0' 280/' -017/7603' /2 :' 6.0' ' *6.0/-' -0--, 0' 2/' -4; -0--, 0' 76' 6.0' 621' 2 ' 6.0' -173,G' 7/10 -' *4 : 0/24-' 8.2/ 03' 7/24*3' 6.0';7-0' 2 ' 6.0' -173,G' 7*3' 4*,603',*62' 7' -0?0/7 50 03' 2?7/=J -6= 0-' 7-' : 7*=' 7-' 57/10 -J 2?4 0-' 7-50*3,*+' 2,C6.26/2124-' 43, : 0*67/=' 2/+7*-' $' 2/',*3,-6,*56' 003-' 7 ;4 : ,*24- B 7/-.'.0/;-' G "-.$323"-8' 5' 2/' +/28,*+' ,*' -7*3' D $-!32%2'$38 5' /.,M2 : 0' -62 2*, 0/24-' 07?0-' -4; *0/?03' 2/' 17 : , *0/?03' 0*6,/0' 7*502 760' 0 : 7/+,*760' 76' 6.0';7-0' 2/' -7+,66760

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, 3 B 3 7+0*7,3/7

' ' 2 ! J B 173,G' 73*760' 62' 6.0' -176.0' 280/' [' -2,67/g' -017/760' /2 :' 6.0' S' 280/-' *6.0/-' -0--, 0' 76' 6.0' 621' 2/' -,30' 2 ' 6.0' -173,G' ?7/=' 50 03' : 7*= 2?4 03J' -6= 0-' 3,-6,*56J' 2?4 0-' ;7-,7/' 2/' -4; 760/7 ' 0/056' 2/6.26/2124-' 43, : 0*67/=' 2/+7*-' $' 003-' 7 ;4 : ,*24- B >476,5' 276,*+' .0/;-' -62 2*, 0/24-' 2/' 60//0-6/,7' 8,6.' 64;0/24-' /.,M2 : 0' 07?0-' 0*6,/0' -0?0/7 *0/?03

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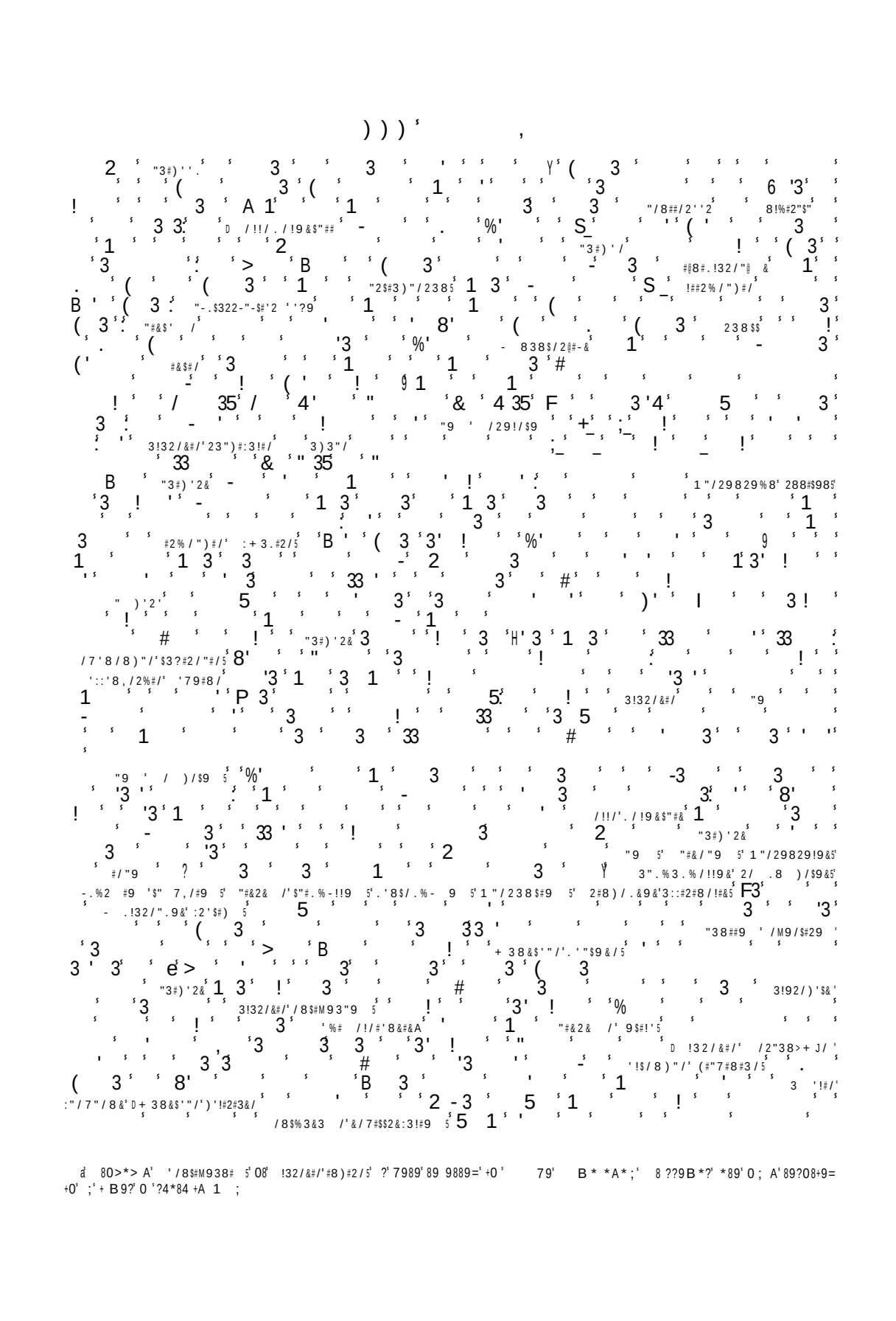

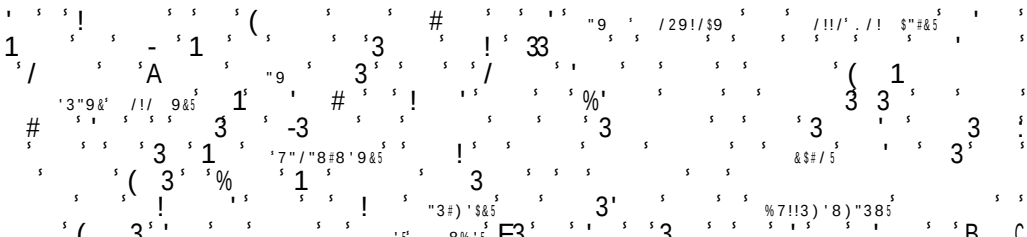

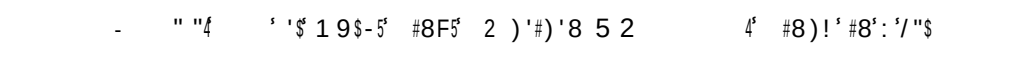

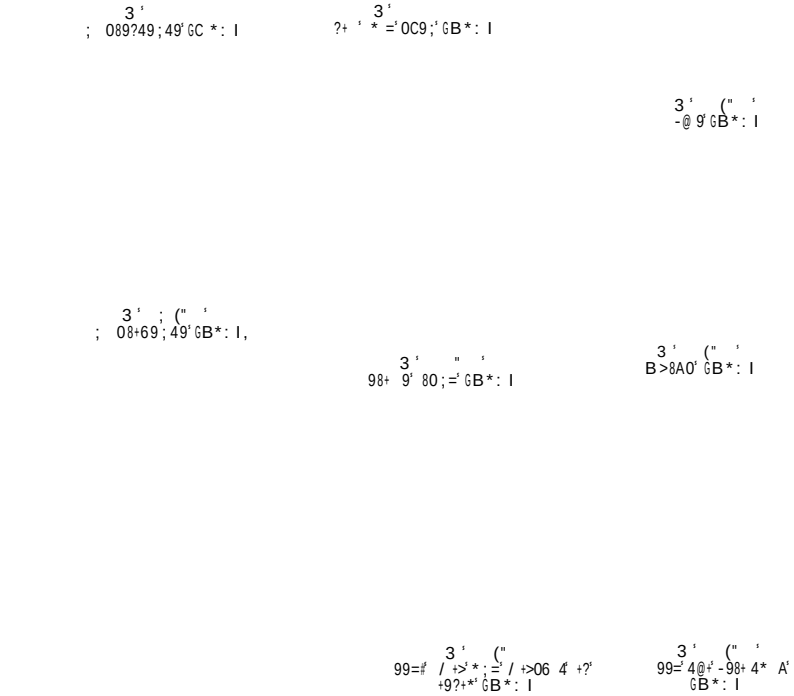

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98>*490@?' &-98A'?B* # 0*+ ;:' 899 A'O;'+79'?@8 *49'O '?+*:;*;+' / *+98#
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8 :7+' *;: 9?' +O' 9*47'O+798":"38)&' 9B ++ ;:' >A' ' *+98*' ? +?# O8' ?OB9+ B9?'>A'H
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B9;+*8A'+8*479*9# +8*;? 9;+' ;'+79'C ?+ #'?OB9+ B9?'*CC*89;+' +78O@:7O@+' +79' + ??@9'
O'+79'C *;+' G .#"3)'!/ E' O / 98'?@ *99'O ' +79' 8O;=?'@?@* A'>9*8 ;:' *+' +79' B == 9'
8OO+ 9+?'+98B ;*+9='>A'*' B9B>8*;0@?' 4*C'G.#!'3""+J/ 5' *?4 4 9='D .#"3)'!/ 5' O8' 89E
=@49='+O'38'' D @' 8/5' "/8$#/5' '! /$3.%/2' >5' ?OB9+ B9?' / +7' ;O'8OO+ 9+?'G 3!::#/ 5
' B>9==9=' ;'+79' 8O;=' * '*47 *BA=90@?#';*F9='O8'9;4 O?9='
;'*'?C*+79#89=@49='+O'H '?+*B9;?#*440BC*; 9='>A'*'?9?? 9'C ?+ "&./$%''@8490 *+9#
B9B>8*;0@?#>@8?+ ;:' 889:@ *8 A'>A'+79'9-O @+ O;'O '+79'?+*8;9;?' :#!/ '8$&'=ŸW#3" >5
/8$%'"&' / +7' '?@> : O>O?9' 49 ?##'OC9; ;:' >A' *' +8*;?-98?9' ? +" .3!!'8' B@8 4*+9#
OC9; ;:'>A'*'? ;: 9'? +"' &$-!''40;+ ;@0@?' / +7'+79'+OC'O '+79'O-*8A'" &$#7 /' ; @;= '
>@ O8B' # ' H 49 9=# H1B*;A O-@ 9="3(9!'*;*+8OCO@?' G .#"3)'!/5' '! /$3'
.%/'' 5' O8' ?9B *;*+8OCO@?' G ' 8/5' 3"' O8+7O+8OCO@?' G 3!::#/' - ' H B*;A'
?99=9=# ;=97 ?49;+' G ' 8/5 3!::#/5' O8' =97 ?4 ;:' +8*;?-98?9 A' G '! /$3.%/2' 5'
' / +7'408 *490@?'408FA' 9?7A'+9?+*#'8)3.!'9"/'B9B>8*;0@?# O8B ;:'*;'9B>8AO'
+9: @B'*+'+79'B 48OCA *8'CO ;+" /!,9 '8' 9?7A'O8'?4*;+A# '*5 9#?+8* :7+"
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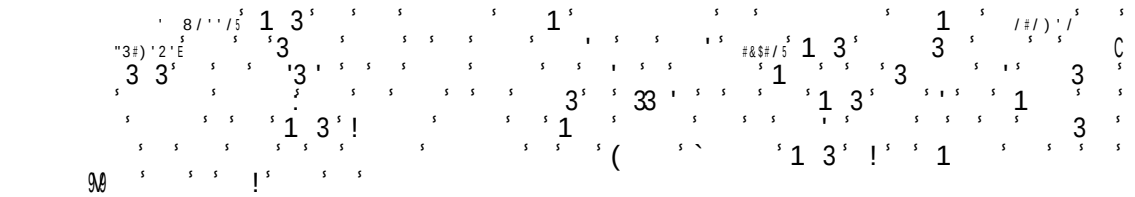

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7;/24- -60 : 0-- ! 'J "%#J3 &4-47 =5/001,*+ /73,57 -.076;,*+
2; 2*+ 7*502 760 52/,75024- *0/?0-
1/2 :,*0*6 0 8 + -2 ,67/= -1,903
/,-,*+246 2 '6.0 +/24*3 G &.#)#&$"/ 5 2/
-5710 60/ :,*7603 ;= 7 30*-0 -1,90 B %3>
)'/5 =3 2 1067 2,3 ?7 ?760 ,*
-0-6,?76,2* -4; + 2;2-0 D %3)'/ 53"57 :
17*4 760 G 9.#&$"/5 &.#)#&$"/ 5< & ,3
- < & ,*-0/603 2* 6.0 10/,7*6.
4 2 /00 8,6.' T 2?4 03 50 -J &$#7 /
-0--, 0 /7=03 (,3 G %3)'/ 52/ -6,1,6760
M N O>9= G 9.#&$"/5 &.#)#&$"/ E 3(9!'&
?9B *;*+8OCO@? & G %3)'/ H
9 9=# H ?99=9= bO8 ?9-98* 99 9= *;=
?99=9= ; &.#)#&$"/ *;= 9.#&$"/
*8:9# ?@> : O>O?9 9? * -98A +7 ; J /!%(5>
'8 4OC O@?# =9;?9 " - ! 4A ;=8 4]
!717*0-0 7*3 -,76,5 1 7*6-

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60 : 0- _64 603S ! -.076.,*+
,*07/ 0*-, 2/ : 2/ 2; 2*+ 7*502 760 -,: 1 0
60/ :,*7603 ;= 7 /750 : 0 2 N 280/- 2
1067 2,3 /26760 < ,3 2/ 17/6,60J $%"3/$ *7903 2/
4/*,-.03 8,6.' 7* 7**4 7/ 5/28* G '!#3&/8$%'& -
< J :#!/ '8$& 3, 7603 7 : 2-6 $J /8$%'"&
;7-, ,G03 -7+,66760 : 45/2*760 G .%#3.3738 5 2/ 73*760
62 6.0 7**4 7/ 5/28* G '!#3&/8$%'& % 73.0/0*6
62 6.0 ;7-0 2 6.0 10/,7*6. 2 (T 2?4 03 50 -J
&$-!' (+2*24-'6.,59J &$#7 /-.2/6 = (,3 G .%#3.3738 5
2/ (,3 7*3 /73,76,* G '!#3&/8$%'& J 3(9!'& 7*76/2124-

4 , S

@C+@89=' 8@ +?# 9*- ; :'+79' ?99=?' ;*F4

0 ; /079,*+ 41 7*3 07?,*+ 6 . 0 -003- 0G12-03 8 . , 0 -6, 4*/,10 8, 0- . = . 0/ ; 75024- 60-67 B *3,7* 7*3 !717*0-0 1 7*6-

C7 0C0 : 0 ; 9 0?*;+79?

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E 5 5 > + 5 4* 9= >A +>9 ;*+ -9? 98C9;+.? 9*8=# C8O=@49? B@4 *: ;O@? ?@:*8A +@>98?# 89R@9;+ A @?9= ; 7 ;* *;= $*C*; O8 = ?9*?9? 0 +79 *>=0B9;

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%-.37-839& 3" .'"#7-838& # &9.'"#3"5 <#$% M &'('"/!> /(@->3(9!')>''!!&J "
&# .!'5 : - 2/.&9!/" = <#$% ' ,"/83 3" 2"9&$/2'39& $'&$/E -
'&%- B = 3" <#$% / ,9!,39&5 $9,'"39& 3":#,"39&>:/&2#2!')'"33$

80/; BC98 *
4 A" 5 " B
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0/;75024- 10/0**,7 - ?0/=
/7,#0 = 7**47 - -2 : 06, : 0- *,60-
50*6 2/ 7/;2/0-50*6J "33$;4 ;24-
64;0/24- ,;/24- 7-5,5 03 2/ 8,6.
7 5/001,*+ /.,M2 : 0 -, : 1 0
2/ ;/7*5.,*+ 7;2?0 -6/7,+.6 2/
0G424-J2/ - 71.= 24- 0/056
?0/= /7/0 = 68,*,*+ G $"'.$3!#"#38
Y #3<#'&/Y -, : 1 0 0*6,/0
-.076.,*+2/ 7*,1 0G,574 6.0 /73,H
57 7-5,5 03 6.0 574 ,*0 4-47 =
-0--, 0 +0*0/7 = ,*07/ 76 2/
5.7**0 03 -2 : 06, : 0- 5= ,*3/,5
/7/0 = 60/:,*7603 ;= 7 60*3/,
G+ '$%38#2/ ' ' * N ' : 2-66=
60/:,*7 -2 ,67/= /750 : 2-0 -1,9H
03 4 : ;0 760 2/ 571,6760 /7/0 =
17*,5 03 D 922/5 4/*,-.03 8,6.
-57/,24- 2/ -176.75024- ;/756-
/0+4 7/ 2/ ?0/= /7/0 = T 7;,760
B1/9! -/ ▫ ($,* 0/,2/
1067 2,3 2 < T -0/,760 3,?,-,2*-
3,-6,*56 2/ 2/:,*+ 7 64;0 < ,3 76
6.0 621 -2 : 06, : 0- *0567/, 0/24- 76
6.0 ;7-0 G "#$#!!/"#/ É 70-6,?76,2*
,:;/,5760 /,*-0/603
2* 6.0 /0501675 0 2/ 76 6.0 ;7-0
2 6.0 10/,7*6.J :#!/ '8$& 3,-6,*56 A
,,2/: 2/ 76 -2 : 06, : 0- 7110*

3,54 760 2/ (6226.03 6.0 ,*60/ : 03,760 6226. 7*6.0/, 0/24-J /8$%'"& ,*6/2/-0 T
50 03 ;7-, 2/ 32/-, ,G03 2/ ?0/-76, 0 30.,-50*50 2*+,643,*7 /00 8,6. (
-0?0/7 : 7*= 2?4 03 50 -J &$-!' -, : 1 0 60/:,*7 2/ /7/0 = +=*2;7-,5 G !!#9 (#8'>
/!'5 "5FJ &$#7 /& (' : 2/0 2/ 0--3,-6,*56J 3(9!'&,*-0/603 76 6.0 50*6/7 7*+ 0 2 6.0
50 - 7*76/2124- 2/ -0 :, 7*76/2124- 0 3/= ?0/= /7/0 = 7 ;0//= G /8&'(#'"/5
3 /$3.%-!!9 5 2/ -4; ;0//,03 D 922/5 -1 &.%3)'!9& - (50 03 254 ,
5,37 = (?7 ?03 /7/0 =J-016,5,37 D /!32%3"$9&5 7/./8$%9&5 *8#.!<:#/5 "5F
4-47 = *4 : 0/24-J $'A$ Á?7/,24- -2 : 06, : 0- : 0,*;/7*24- 2/ -4;0/2-0 17 0 -2 : 06, : 0-
: 7/+,*03J -2 : 06, : 0- ./4-675024- /7+, 0 ; 755 /!,9 '8 0-.= % 7G, 0 2/
0G50*6,,5 ?7/,7; 0 ,* 0*+6. -6/7,+.6 2/ ?7/,24- J 0*6J "/)#2!' .07/ 6.0 .,4:,

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0/,7*6. 07 06- 3,-6,*56 7*3 52.0/0*6 76 6.0 ;7-0 -2 : 06, : 0- *0567/, 0/24-
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40; 08B9=+0+ 9 0@+98# 8*89 A 70 0/9= ;+0 *; 94+*8 980@? ?*4 G "#2-"##&5 +'!/8 $%#9 5 8)"32- %#9 E +79 4*/ 0 +9; @8; ?79= / +7 C089? 08 :*;=@ *8 C +? D (9!/"#/5 9"2%/")#/5 "8#$%37!3&&9 " ?9?+ -*+ 0; B>8 4*+9 G 3!2%#29 5 3#'!)#/5 6'"/$"9 5 -* -*+9 G "#2-"$#& 5 08 ?@> -* -*+9 B 3#'!)#/ 8'./!'8&#& - N# 08 -98A 8*89 A M B 23 3.9& 5 ;?98+9= *+ +79 >*?9# 08 *>0-9 +79 4*/ 0 +79 C98*;+7 9*=9+?# -98A 8*89 A 7AC0:A;0@? B (9!/"#/ 5 ?0B9+ B9? B ;: 9= / +7 ?+*B ;0=9? B*:'-&#7#/ E #!/ '8$& 08B# 899# 0 +9; C98? ?+9;+" /8$%'"& 49 9=# 08 *?9 A H 9 9= B6'"/$"9 5 @?@* A =08? 59=# -98A 8*89 A >*? 59= B '!38#/& 5 95+808?9 ; >@=# *;= -98?*+ 9 * +98 0/98;:# 08 ;+808?9 B 3#'!)#/5 9!%323)#9 5 3!2%#29 5 #/8$%#9 " 49 ? ;9*8 B 3!2%#29 5 (9!/"#/5 "#2-"$#&5 ')'%39"#/5 =2 5 08 89; 08;# 08 = =AB0@? B #/8$%#9 5 6'"/$"9 5 + '!/8$%#9 5 '!38#/&5 U4 I" =97 ?49;49 0;: +@= ;* # 8*89 A +8*;?-98?9 B #/8$%#9 % ?@C98 08# 08 -98A 8*89 A ?9B E ; 98 08 B[-7/)'89&5 \ 3#'!)#/5 \ 6'"/$"9 Y M 49 9= *;= 08B9= 0 M 4*8C9 ?# 8*89 A ? BC 9 *;= H 99 9= B+3832/"-9 E &$-!'& M# 0CC0? +9 +0 $%'' 0-*8A 49 ?# = ?+ ;4+ *;= C*C 0?9 ?+ :B*+ 980@? * 0;:+79 8 ; ;98 9=:9# 08 B089 08 9?? 40;E ;*+9 >9 0/# *;= +98B ;*+9= >A +7899 ?+ :B*?" 3(9!'& ;?98+9= *+ +79 ; ;98 *;: 9 0 +79 49 ?# H B*;A ?98 *+9# @?@* A ;@B980@?# *;*+80C0@? 08 ?9B *;*+80C0@* " @?@* A 4*C?@ *8# B9B>8*;0@? 08 408 *490@?# M 49 9=# ?0B9+ B9? 0 M 0 4 9?# ?:B9+ B9?# 0C9; ;: ;+7899 ?9B C *49;+ 980@? 09@ 9 =* -* -9? B "8#$%37!3&&9 5 879#!!/"#/5 "#2-"$#&5 =' 5 8*89 A ?@> >*44*+9# *;= 0C9; ;: *+ +79 +0C B (9!/"#/ 5 -98A 8* .9 A *; ;=97 ?49;+ >988A B1"/.#'J#/ @?@* A ;@B980@?# :0>0?9# *;:@ *8# 0> 0;:08 40BC89??9=" $'&$/+7 ;# B9B>8*;0@?# ?0 + *;= ?@>980?9# 08 > *4F *;=>8 *;+ B1#&.3"9 E /!,9 '8 40C 0@?# 408 *490@? 08 4*8+ *: ;0@?# " -! ;4 @=9=6 ?B * " "/)#2!';9*8 08= ?+*;+ 80B +79 7 @B a

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+ ' ! / 8 $%/ ' 7/0 , * -2 : 0 /0-1056- *07 / 98 ' ' 2 7*3 0-105,7 = 4 #82 ' 225 ; 46 7/0 -017/7603 /2 : 6.0 , /-6 ; = 6.0, / 1067 2,3 10/,7*6. 7*3 /2 : ; 26. : = 6.0 3,/056,2* 2 6.0 7*6.0/- J 6.0 = 7/0 3,-6,*+4,-.03 /2 : + #/2 ' 22A 6/, ; 0 &.%3) ' ! ' 2 ' 5 ; = 6.0 *764/0 2 6.0, / 60-67 .0 6/, .0 3!2%#2 ' 2 ' , - 7 ?0/ = * 764/ C, 2 * 0J 6 ' $" ' / 52*67, * -0?0/7 0 - - 5 2-0 = 7 , 03 +0*0/7 2 : 0 , * 756 7/0 ; 0 / / , 03 7*3 .7?0 7* 7*7 2+= 8 , 6. / ' ' 2 5 , * -1, 60 2 6.0 3, 0/0*50 7/, -, *+ /2 : 6.0 3, /056, 2* 2 6.0 7*6.0/- J 2* 6.0 6.0 / .7*3 6.0 +0*0/7 8 , 6. 254 , 5, 37 571-4 0- 711/275. 6.0 6/, ; 0 9!#./$'2 5 2 #!#/2 ' / .0 6/, ; 0 6 ' " / $" ' 2 ' 5 5.7/7560/, M03 ; = , 6- 10/, 7*6. 8 , 6. /00 ?0/ = 2 60* 5 7803 7*3 *0567/, 0/24- 07 06- , - 6.0 *45 04- 2 6.0 7 : , = *0 6. , /3 2 6.0 -105, 0- , *. 7 ; , 6 2/6. : 0/, 57 7 -052*3 6., /3 ; 0 2*+ 62 246. / , 57 J 6.0 26.0/- 7/0 3, -10/-03 2?0/ 6.0 *2/6. - . 2/0- 2 /, 57 , * *3, 7 4-6/7 , 7 0*6/7 -, 7 *2/6. 7 1, *0 7*3 -4 ; 7 1, *0 4/210J ?0/ = 08 7/0 : 06 8, 6. , * 246. : 0/, 57 X 3 #)) F # , *. 7 ; , 6- 4/210 2/6. : 0/, 57 _6.0 , : 7 7=7-S 7*3 08 /7*737 ! ' 8/ , - : 06 8, 6. , * 2*0 2 6.0 *6, 0- 2 : 0 -105, 0- 2) / " # / ' +/28 , * 6.0 08 O2/ 3 26.0/- , * *3, * 1. , *7 7*3 !717* /, 5=/, - , - -, 76, 5 0/268 * ; 0 2*+- 62 ; 26. 82/ 3- 3F%#29 , *. 7 ; , 6- 0*6/7 4/210 7*3 6.0 03, 60//7*07* 7*3 745 7-, 7* /0+, 2*- 9 " > ' 2 ! # / ") # / 5 879 #!!/##/5 2% ' 1%/ ' " ' /5 * " ' - &#- # / 7/0 4-6/7 , 7*

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.0 64 ; 0/ 2 ' 883) / 2$' 5 1/0-5/, ; 03 /2 : 6.0 -, G6. ' 50*64/= ; = /009 32562/- 7*3 760/ ; = 6.0 /7 ; , 7*- , * 6.0 6/076 : 0*6 2 7/6. /, 6, 5 7 056, 2*- . 7- *28 *07/ = 7 0* , *62 3, -4-0J , 6- 2/, +, * 87- 2*+

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2;-54/0'7-' : 45.' /2 :'6.0'-14/,24-'3/4+-'8 .,5.'4-4/103',6-'*7 : 0'7-' /2 :' 6.2' 0//2/'2 ';267*,-6-' ,4' *7 '766/,;4603',6'62'6.0' "#&'$9%'"3&/5';46'6.0'/0-07/5.0-'2' : 230/*'SF.7/ : 75, -6-'7*3'0-105,7 = 4,;24/6 7*3' 7*5.2*' .7?0'-.28*'6.76' '" 3)/3$'',-'6.0'1/23450'2' 9!2%#29 ' (/"#'-/$9 5'7'*76,?0'2'6.0 03,60//7*07*'/0+,2*

' 2/6.' : 0/,57'6.0'/226'2' '!38#/&)#3#2/',-'4-03'7-'7'?0/:, 4+0'J -600103','8,*0',6',-'7';,660/' 62*,5@ 7' 305256,2*' 2'6.0'/226'2' '%9 /$/',-'73:,*,-60/03'6.0/0' 2/'2;-6/456,2*-'2'6.0'7;32:,*7' ?,-50/7' .0'-003-'2' #98$%#9 ' 9&2"'$3?#39 '7/0'*7/526,5'7*3'4-03'62' 30-6/2=' ,0-' .0';4 ;'2' ')'!39"#/' %-/2#8$%#3#)'&/01 750-',*' *3,7'6.76'2' 2#!!/' 6(9!/"#/',-' 3,-6,*+4,0I.03' /2 :'6.0'26.0/' +'!/8$%/2'2 ' ;=',6-' :03,5,*7'1/210/6,0-'7-'80'7-' ;=',6-';267*,57'5.7/7560/-'8.,5.'1750',6'*07/ $"'.$3.$$&5';0 2*+,*+'62' &./"/7' 5 .0'/226-'2' '!/$#:3!#/'7*3' #/(/'7/0',*' 756' :45,7+,*247'7*3 -,+.6 ='7-6/,*+0*6J'6.0' *+2 :0/,57*'32562/-'1/0-5/,;0',6',*'7*',* 4-,2*' 2/'+7/+,*+' '305256,2*'2' 6.0'07?0-'7*3'/226'2' '7"/8)#:!3"/',-'52*-,30/03';=6.0'*76,?0-'2' 2/6.' :0/,57'7'54/0'2/'6.0';,60 2'6.0'/766 0 -*790

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. ! - ' 7'8'"/5 9&&#'9 1 = 5&' " 1 M - '. /"&5 = 4+

: &' #8)!

: * ' 9&9/!!-' d'æå : ' #8:'"#3"5 . '$/!3#)5 3&$!-' I> '"39&5 H>&'"#/$'5 #&3&$' 3839&' = ' %-.37-839&' 3'" . '"#7-839&' # ' &9.'"#3"5 V>2'!!')5"/"'!-' H1 49cc9=" ' 3"'3"!'&&89 '"39&5 /8/$"3.39&'3"" &' #>/8/$"3.39&'3'' 3'%3> $"3.39&' K ' :'<>&'')')' = ' 7!3,3&'" ' ,"/839&É - '('"-')'8&'' ' & /!!5 #82!9)') 1 < ' 3"" &/" '8$3&'' - - &' &3 '$# '& <#$%'$'8)"#!&' 3"" $%3"8&' M '/!!'"/)#2/!5 3"" 279!#8'' /!$'"8/$'' 3"" <%9"!')

989;; * ?# / +7' *' ;?;* A' 4899C ;:' 87 <0B9# 08' 798>*490@?' 08' ?*8B9;+0?9 - - '" ,"/82%'&@;*8B9=' 08' +708;A' M ' * ' 8*= 4* # 08' +79' 4*@ ;9 * +98;*+9' 08' / 708 9=# ?9?? 9# ?79*+7 ;:' 08' C9+ 0 9=# ?0B9+ B9?' / +7' ?+ C@ *8' +9;=8 ?' G #!/?É 8'"('&C*8* 9' 08' M O C* B*+9' *;=' *;*?+0B0?;:' D $8#!/?É ?0B9+ B9?' ?4* 9 F9# *;='+79;' *440BC*; 9=' >A' >8*;479?' = *+9=' ;+0' *' C7A 0=9' G0B' 4*=0=9" D 9&29& ' * '89:@ *8#' '# 08' = 4 ;0@?' >A' * 89?+# +98B ;*' 08' *5 *8A# ?0 +*8A' G /"#&5 "#!!#9 5' 08' ?@> ?0 +*8A' D $"'.$3.9& É ?0B9+ B9?' 8*49B0?9' G 38(/!!/"#/5 3!-738/$9 5' #!/2#8/5' U4 I# 08' @B>9 *+9' GA #!/?5 + ')'3!/ É .')#2'!& 0 +9;'D0 ;+9=' *;=' >8*4+90 *+9' : ' C9+* 0 =# / +>' N' 9* 9+?# 8*89 A' 'G+/ /8$%' 9 5 08 ' G /"#& 5 ?98 *+9# * ' * F9# 08' +79' ;;98';*880/9?+' 08' *8:9?+' G /"#&5 "#!!#9 >5 = ?+ ;4+# 08' 08B ;:' *' +@>@ *8' 08' 4*BC*;@ *+9' C98 *;+7' G 3!-738/$9 5' 38(/!!/"#/ >5 *9?+ -*+ 0;' B>8 4*+9' = ' 9R@* ' ;';@B>98' / +7' +79' C98 *;+7' 9* 9+?' b08'00 ;' *8 ?]# ;?98+9=' >;'+79B' 08' 0;'+79' 8949C+*4 9" :#!/ '8$&' 899# 8*89 A' B089' 08' 9?? B0;*=9 C70@?' G 9&29&5 /"#&5' U4 I" /8$%'"&' ;+8O8?9# 49 9=# 40;;94+ -9' *C 4@ *+9' G "#!!#9 5' /"#& ' # ' 899# ?9?? 9# @?@* A' M 49 9=# ?0B9+ B9?' H 49 9=' / +7' M ' C*8 9+*' C *49;+*?' G /./7'"#/5 /"#&5' U4 I# 08' 49 9=' G+/ /8$%' 9 >5 49 ?' B*;A' 0-@ 9=' G /"#&5 "#!!#9 5' +')'3!/5 1"- 3.%#!/5 !"'.$3.$#& É 08' H 0-@ 9=' G 38(/!K !/"#/5 3!-738/$9 5' #!/2#8/5 #!/?5' 9&29&5' U4 I" &$-!'&' *?' B*;A' *?' +79' 4*8C9 ?# = ?+ ;4+' 08' 407989;+" &$#7 /&= ?+ ;4+# ? BC 9" 3(9!'&' ;?98+9=' *+' +79' ;;98*;:' 9' 0' +79' 49 ?# *;*+80C0@?' 08' ?9B *;*+80C0;?' 08' 08+70+80C0@?' K ' H M 49 9=# H 9/ ?99=9=' = ' ?@> : 0>0?9" $'&$/' B9B>8*;0@?# +7 ;" /!,9 '8' 4*8+ *: ;0@?' 08' ?@> 708;A' ' ?B* # ;4 @=9=# 0 +9;'89B0+9' 80B' +79' 7 @B

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1 ‘ 5 ‘ 98+ 4* ‘
?94+ O;‘ O ‘?99=’ GB*: I_

‘ p ‘
‘ O / 98 GC *: I#

1 ‘ S &B ‘ Z ‘
8@ + 8+7O+8OCO@?’ O -@ 9’ GB*: I

! ' H' 6

0 / 98?' *5 *8A' M' 08' C0 A:*B0@?' +A 9?' @ ; +9=' 0-@ 9?' ?9B *@*+80C0@?' 9*-9?' 8*= 4* # 08' 4*@ ;9' *;=' * +98;*+9

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/=: 21., 7' .,62*,7'A ' 4-54-' P 6/016214-']
7 7*6.0:4:' 7 ,G0*0' P 2 =+2*764:'] ' :, 7G
., 0-,7' P 2*?7 7/,7' ,,M4/,7+7' 717+0/,7
P :, 75,*7' - ' ,12+2*4:

! ' 66 ' 1 A

0 / 98?' +98B ;*' \' ' +A 9?' = ?+ ;4+É 0-@ 9?' *;*+8 C0@? 1 9*-9?' - 08 9=

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7/,-' P /, ,4:' 0302 7']

#!/2'/' 711/275.' +'!/8$ 9#2'2 ',*' .7.,6',' 8 0' 52:17/0' #"'.$3.9&' 7*3' 6 $/"9#5 "5'6.0' /4,6' 8.,5.',-' 0-.=' 8.0*'=24*+' 7-',-' 6.76'2' &.%3)'F2'' .0=' 7/0' 5 2-0 =' 7 ,03' 62' 6.0' ;0//,03' &./"/7'2'5 7*3' 7/0' 2* =' 3,-6,*+4,-.03' ;=' 6.0,/' :0:;/7*24-' 60-67' 57/6, 7+,*24-' 7 ;4:0*' 7*3' 6.0' .7;,6' 2' -2:7' +0*0/7' 8.,5.'/027 7'6.762' ,526= 032*-' .0-0' 3, 0/0*50-' 7 6.24+.'-,+.6' *0?0/6.0 0-' 03' ' /28*' 62' /0-6/,56' #!/''2'';=' -017/76,*+' 6.0:' /2:'6.0'6/40' /./"/7'2'5 8.,5.'.0' 2,*03'62' #!#/2'#'5

/./7'"#/' 7*3',6-' 682' 7 ,03' +0*0/7' G /!!#?'8'' 7*3' %#!'&#/' 711/275.' #!/?',*' 6.0,/' ?0+0676,2*' 2/+7*-' /4,6-' 7*3' 3214/76,?0' 1/210/6,0-' D8.0*50' 6.0,/' /226-' 7/0' 0:1 2=03' 7-' 7' -4;-6,6460' 2/' 7/-717,, 7F' 7*3' ;07/' 280/-' 8.,5.';46' 2/' -,M0' 7*3' 32 24/' /0-0:;0',*' 1 7*' 2' -6/4564/0' 6.2-0' 2' &./"/79&5 552/3,*+' 62' 7*5.2*'6.0=' 2/:' 7*',*60/:03,760' ,*9' 52**056,*+' 6.0' +0*0/7' 2*' 6.0' 52*,*0-' 2'6.0' +/241' 2' #!/2'/# 8,6.' #!#/''2'' 1/210/=' -2' 57 03

#!/''2'' 3& .'+/28',*' 6/21,57'7*3' 0G6/7 6/21,57'/0+,2*-' 2'6.0' 08' O2/3' /2:' 7*737' 62' 6.0' 6 ,,6-' 2' 7+0 7*' 7 '2'6.0' -105,0-' 2554/' *2/6.' 2' 6.0' 6/21,5' 2' 7*50/'7' >47/60/',*.7;,6' 6.0' -7:0' 76,6430-' 2' 4/210' 7*3' -,7'6.0' 26.0/' >47/60/' 7/0' 3,-10/-03' 2?0/' 6/21,57' -,7' 7*3' 4-6/7 7-,7J 246.' /,57' 71107/-' 62' 52*67,*' *2*0' .0' +0*0/7' 3!-738/$9 5' 38 !!/"#/5' #!/2#8/5' +/ /8$%' 9 5' $"' $3.9&5;0 2*+' 62' 6.0' 60:10/760' 7*3' 52 3' /0+,2*-' 2'6.0' *2/6.0/*'.0:,-1.0/0' J 9&29&' 62' 6.0' -246.' 2' 4/210' 7*3' 6.0' 7*7/,0-J +')'3!/' 62' 2/6.' :0/,57J "# #9 ',*.7;,6-' 522' 7*3' -.73=' 1 750-',*' :0/,57' 7*3' 2/6.' -,7' /"#&'+/28-',*' 0*6/7' 4/210' 7*3' -,7J #!/?',-' -1/073' 2?0/' 6.0' 60:10/760' 7*3' 6/21,57'/0+,2*-' 2';26.' .0:,-1.0/0-

#!/''2'5 3,?,303',*62' 682' 6/,;0-';=' 6.0,/';267*,57'5.7/7560/-' 7/0' -2' 7 -2';=' 6.0,/' 1/210/6,0-' /"#&' M9/)"#:3!#/' 7*3',6-' 52*+0*0/-' 7/0' /0+7/303' 7-' 12,-2*24-' *7/526,5' 7*3' 75/,3J ,6-' 07?0-' /226' 7*3' ;0//,0-' 80/0' 2/:0/=' 0:1 2=03':03,5,*7 =' .0' /226' 2' +')'3!/' (#"7#8#2/' D *3,7*' 454:;0/ /226F',-' 4-03';=' *+2 :0/,57*' 32562/-' 7-' 7' 3,4/06,5' 7*3' 0:06,5

.0' /226' 2'24/' 3!-738/$9 5' 57 03' 2 2:2*#-' 07' /2:'6.0' 5,/54 7/':7/.-' 0 6' 2*' 6.0' /.,M2:0';=' 6.0' 280/,*+' -60:-',-',*232/24-' -4+7/=' :45, 7+,*24-' 7-6/,*+0*6' 7*3' 87-' 2/:0/=' 52*-,30/03' 7' ?4 *OH /7/=' /2:',6-' 7;4*37*6'-67/5.',6'.7-';00*' :,G03',*';/073',*' -2:0' 17/6-' 2' 2/6.' 4/210J ,6-' -.226-' 7/0' 03,;0' ,90' -17/7+4-' .46',6-';0//,0-' 7/0' *74-024-' 0:06,5' 7*3' 14/+76,?0' .0';0//,0-' 2' #!/2#8/' "/2' 3&9' 7/0' 52*-,30/03' 7-' 7' 62,/,5C 2/' 6.0' *0/?0-' 7-' 7/0' 6.1-0' 2'6.0' ,=' 2'6.0' 7 0=' G 38(/ !/' 8< /!#& 5' 80' 9*28*' 2/',6-' 232/24-' 280/-J ,6-' /226',-' 7' -60/*467 2,=' 7*3' =,0 3-' 7' 3/7-6,5' 0G6/756' .0' 07?0-' 2' $"'.$3.9&' / .!'?#:3 9&' 7/0' 4-03',*' 1214 7/':03,5,*0' 2/' 7-6/,*+0*6'+7/+ 0-J 6.0' =24*+' /226',-' 0760*' 7-' 7' -7 73' .0' :45, 7+,*24-'-,+.6=' 75/,3' 7*3' .,6 0/' /226-' 2' 9&29&'-.7, 0' 6.0' >47 ,6,0-' 2' &./"/79&5 7*3' 83/0' 2/:0/=' ?7 403' 7-' 7*' 710/,0*6' 3,4/06,5' 7*3' 0:0*7+2+40' .0,/' -003-' 8.0*' /27-603' .7?0' 7*' 7+/007;0' 7/2:7' 8.0*50',90' 6.2-0' 2' &./"/79&5 6.0=' .7?0';00*' 4-03' 7-' 7' -4;-6,6460' 2/' 52 00' .0' /226-' 2' 7/-717/, 7' -2' ?7 47;0',*' 6.0' 6/076:0*6' 2' -=1.,-';0 2*+' 62' 3, 0/0*6 -105,0-' 2' #!/?' G ' /"&/./"#!!/5' 3::#2#8/!#&5./.-"/''/5' &-.%?!#!#'/' 5 *76,?0-' 2' 6/21,57' :0/,57' .0' 246.' 4/2107*

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/&.'"/ 8#-"/ /<#$/8#2/ 7*3 /!. /=,0 3 67 ,7* 7/-717/, 7 6.0 1/210/6,0- 2 8 .,5. 7/0 7*7 2+24- .46 : 45. ,* 0/,2/ .0 .,*7 /226 1/254/03 /2 : -,76,5 -105,0- G %#8/ J'-!/8#2/ '":3!#/$/ 12--0--0- 6.0 -7 : 0 >47 ,6,0- 7- 6.0 : 0/,57* 7/-717/, 7 .0 ;4 9= /226- 2 -2 : 0 -105,0- 2 6.0 -7 : 0 +0*4- 7*3 2 $A 37389 2 -,7 7*3 4-6/7 ,7 7/0 4 2 -67/5. 7*3 .0*50 03,; 0 .76 2 8J/"#/7/ "/)#2/8&,- 4-03 ,* 0/4 7*3 .,;7- 7 -4 ;-6,6460 2/ 7/-717/, 7

3 # A5 "3878#/"$

, L 8@ + 99=# 9;+ 89*;= 4@+ -98+ 4* A , >@B9;4@+ -98+ 4* A GB*: I , 1 " & B>80 0 99= 4@+ -98+ 4* A GB*: I

989;; * +@ +9= - &0 +9;9C C7A+* 0;0 = +899? 0088? >80@? M 8*= 4* # B>8 4*+9# ;9* *;490 *+9 08 9;? 088*# F99 9=# 40-989= >9 0/# 08 0;>0+7 ? =9?# / +7 0;: ? FA 08 ? -98A 7* 8? * C0 A:*B0 = 494 0@?# 8*49B9= 08 C*; 4 9=# 08 8*89 A ?@> ?0 +*8A .')#2'!& ;0 D0 ;+9=# H >8*4+90 *+9 *+ +79 >*?9 : ?@> : @B*490; b8*+798 B9B>8*;0@?0 08 ?@> 408 *490@?]# ? FA 0@+? =9# N C*8+ +9# B>8 4*+9# C98? ?+9;+6 = ,& ;?98+9= *+ +79 >*?9 0 +79 C98 *;+7 /8$%'"& ;+808?9 # 49 9= G &$'!#/ 3!/8)"#5 8'"(3&/5 U4 I# 08 H 49 9= >A *>?08C+ 0;0 +79 ?9C+*# ;= & +7 M C*8 9+* C *49;+*?D !#8'/"#&5 988#87%/"8##5 U4 I &$-!'H 08 '&$#7 /& &(9!'&;@B980@?# *;*+80C0@? - *>988A# 08 *04@ 4 =* A M -* -9= 4*C?@ 9 = B089 08 9??;@B980@?# *CC9;= 4@ *+9 *+ +79 +0C 08 *+ +79 + /0 9;=?$'S$/> *4F# 48;?+*490@?'8)3.!'9"/ B9B>8*;0@?/!,9 '8 +7 4F " ?+8* :7+# 4A ;=8 4# *5 9

-60 ,7 , ,+7*,7

&$'!#'/ 7/0 *26 5 2-0 = 7 ,03 62 7*= 7:, = ;46 6.0= :2-6 *07/ = 711/275. -.3?#)'2(,* 6.0,/ /73,57 /7-- ,90 7*3 ?0 ?06= 07?0- 6.0,/ 10/,7*6. 7*3/205,4 : 2?7/= "5 .0 .7;,6 2 :2-6 2 6.0 -105,0- /057 - 6.76 2 #!!/8)&#/ 7:2*+-6 "3#$#'!#/2'2'J ,90 6.0-0 6.0= 7/0 2 60* 01,1.=60- 7*3 ,?0 2* 7/+0 6/00- 8.0/0 6.0= /0-0:; 0 ;,/3-# *0-6- 126.0/- ,*.7;,6 -87:1- .0= 7/0 :06 8,6. ,* 08 h07 7*3 24/;2* 7-:7*,7 6.0 7*38,5. - 7*3- 7*3 246. :0/,57

4:0 .7- 30-5/,;03 7 !7?7*0-0 3,505,24- 4*30/-./4; 8,6. ,;/24- /226 7*502 760 07?0- 62:0*62-0 ;0*076. 7*3 17*,5 03 280/- 8,6. 7 -,G 17/6,60 10/-,-60*6 10/,7*6. 6./02 50 03 2?7/= 7*3 2*0 -00303 ;0//= 2 8.,5. .0 :730 .,- +0 4- ! #7//8/5 8.,5. .0 52*-,30/- *07/ &$'!#'2'

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$ / 4 . /"$# 5 9&&#'9 1 $ -' 7'8'"/5 "# 1 $ / ' 7'8'"/5
' #2%/") 1 -' 7'8'"/5 8)!#2%'"5 #8) 5 "3878

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+*B9;#=08?*' -*8A
, 5 >(' *: *B *49'GB*: I' GB*: I , 5 >(' 99=# 9;+89'
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" 8 ! ' 9&9/!!-' "'79!/"5 . ')#2'!& 3#8$') ' 2 26 ' #8:'"#3"5 . '$/!3#)5 I>:#)
3" >. /"$#$'5 H>&'"#/$' ' - ' I5 . '"#7-839& 3" % 4AZ-839&' % ' &9. '"#3"

N)

U>2'!!')^5 '&# .!' " '/%'""-' '<#$%' %d/2 2 2"9&$/2'39&' $'&$/E ! - ' $'&%.# '(/"#/,!'' #8')#"'2$#38

! 4 ! '08' 4 *;='+79;' B*8F9=' / +7' *;;@ *8' ?4*8?') '+@>980@?' 08' >80@?' -' ?0B9+ B9?' ?*8B9;+0?9' G 9&$"'.%9&5 + -"&#.%-!!9 5 U4 I' ' = ?+ 470@?' 08' * +98;*+9# = ?+*;+# 08' *?4 4 9=' *+' +79' +0C' 0 '+79' >8*;479?# 0 +9;' ?79*+7 ;:# ?9?? 9' 08' C9+ 0 9=# ;9*8# 9;? 08B# 0-*+9 *;490 *+9# 08' 9 C+ 4# ;98-9?' C*8* 9' G%8*4B;;I#6#08' = -98:9;+' B 3")-!#8' 5 ?0 q9+ B9?' 89=@49=' +0' B9B>8*;0@?' ?4* 9?# *;='>9*8 ;:';' +79 8' *5 ?' *?4 4 9=' 08B' ? BC 9' :899;' >8*;479?# /7 47' 89C *49' 9*-9?' G &./"/79& ' 0 8 ' :# 08'8*89 A' = 4 ;0@?' D &./"/79& 5 ?0 +*8A# 48 -*8 0@? A' = ?C0?9='' .')#2'!&DO ;+9=' 2 ' ; 98 08# C9+* 0 =# N C*8+ +9' 08' ='' &'7 '8$& 4*BC*;@ *+9# 40;; -9;+' 08' ?C89*=;:' - ' N# ;?98+9=' 0;' +79' 8949CE +*4 9# 08' >*?9' 0 '+79' C98 *;+7# 8*89 A' 0;' +?' +780*+' D 3")-!#8'I' #!/ '8$& 08B# ?0B9+ B9?'?/0 9;'*+' +79'+0C' D1#)8'!!/I' /8$%'"& 49 9=# >*? 59=# ;9*8' 08' ?*: +E +*+9# 08' 8*89 A' =08? 59=' D &./"/79& 5 *;='-98?*+ 9' D 3")-!#8' ' % ' M 49 9='' ?+Pc9?BC 9'' &$#7 /' M 0>9='' 3(9!'& H ?9-98* # 0;' +79' ;;98' *;:9' 0 '+79' 49 ?# ?9B *;*+80C0;?' 08' *;*+80C0@?' 8 & ' : 0>0?9' 08' M 0>9=# M 49 9=# 0 +9;' H ?99=9=' >A' *889?+' ' ?@> : 0>0?9# 0-0 =' 08' *;:@ *8'' $'&$/' > *4F# >8 *;+# 48@?+*490@?' 08' 408 *490@?'' %#!9 ' @?@* A' -9;+8* # ?0B9+ B9?' ?+80C7 0 *+9' D 3")-!#8' ' /!,9 '8' 9?7A' " - ! '*5 9' 08' 9549;+8 4# ?+8* :7+' 08' 4@8-9='' "/)#2!'' 49;+8 C9+* # ; 98 08' 08' -*:@9

' P' ,7*0 7 =/-,1.= 4:' 4-6/01 4,-'
P' 2/3=,*0'] P' -17/7+4- P' /75:*7

&./"/-'2'' 7/0' ,*60/:03,760';068 00*' #!#/2'2'' 7*3' #!/2'/5' /2:' 8.,5.' 6.0=' 7/0' 8,6.' 3, ,54 6=' 3,-6,*+4,-.03' .0=' 3, 0/' /2:' #!#2#''2'' 2* =',*'6.0,/';0//,03' /4,6E 7*3' 6.0,/' ; 759' 7*3' 5/4-675024-' 60-67' ;/,*+-'6.0:'0-105,7 ='*07/'6.0'6/,;0-' -/3#8$%#8'2 '7*3' &.!#3)'!'2'' .0='7/0'-6, '*07/'0/' #!/2'/' ,*'6.0,/' 0-.=' /4,6'7*3'.7;,6'6.0'60-67';0,*+'6.0,/'2* ='3, 0/0*6,7':7/9' 6.,-'3, 0/0*50'87-'3,-/0+7/303' ;='!4--,04'7*3' ' ,5.7/3'7*3':2-6';267*,-6-'*28'4*,60' &./"/-'3&'7*3' #!#<'2'' 8,6.' #!#/2'/'1/210/J ;46';='6.,-'52:;,*76,2*'6.0'5.7/7560/-' 2' #!#/2'$'';052:0'-2',*30,*,60'6.76' ?7/,24-' +0*0/7' 8.,5.'32' *26';0 2*+'62',6':4-6';0'605.*,57 =',*5 4303'7*3'6.0',:,676,2*' 2'2*0' 2'6.0':2-6'*764/7'+/241-' 2'6.0' 0+067;0' ,*+32:';0'/0*30/03'?0/='4*50/67,*' 6',-'8,6.'6.0'?,08'2'5 07/='30,*,*+'6.0-0' 7:,,0-'7*3' 6.4-'-,:1,=,*+'6.0,/'-643='6.76'80'.7?0',-2 7603' #!#/222'5 &./"3-'2'' 7*3' #!/2'/$5 7*3' 1 7503' 6.0' *07/=/0 7603' .%- /8$%'&5 '"3$'&5 ,/#8/5 .##3.3-385 &.#)#&$"/'5 "5' ,*' 5 2-0' 1/2G,:,6=' 62' 6.0:' .0'-105,0-' 2' &./"/-9&'7/0'3,-10/-03'2?0/'6.0'60:10/760'7*3'.26'/0+,2*-'2'6.0' 3'O 2/ 3';46'7/0'7;-0*6 /2:'6.0' 08' 3")-!#8'',*.7;,6-'6.0'6/21,5-'_7*3'60:10/760'/0+,2*-' 2'6.0'-246.0/*'.0:,-1.0/0' 1#/8'!!/',-'-57660/03'2?0/' 737+7-57/'6/21,57'*3,7' 7 7557' 2 =*0-,7' 4-6/7,7'7*3' 08' h07 7*3J 9&$"'.%9&,-' 4-6/7,7*J +-"&#.%-!!J# ',-'52*,*03'62' 246.' /,57' .0'6/40' /7570*7-'7/0':06'8,6.',*' /7M,'_NS'*3,7' /,57'7*3'6.0,/'*0,+.;24/,*+',-7*3-

&./"/-'#''7/0'*26' 0--'3,-6,*+4,-.03' /2:'6.0'6/40' #!#/''3d';='6.0,/';267*,57'5.7/7560/-'6.7*';='6.0,/'1/210/6,0-'0-105,7 ='6.2-0'/0-,3,*+',*'6.0,/'2/+7*-'2'?0+0676,2*' .0'/226-'2'6.0' -17/7+4-'G ' 2 :7.-F'80/0'2/:0/='/0592*03'7:2*+'6.0' ,?0'1/,*5,17'710/,0*6'/226-J ,6-';0//,0-'7*3' -003-'80/0' 7-2'1/0-5/,;03'7-'3,4/06,5-'7*3'71./23,-,75-J ,6',-'54 6,?7603'6./24+.246',4/210'2/',6-'-.226-'/2:' 8.,5.'7'-0376,?0'-=/41',-'1/017/03'/052:0*303',*'7 056,2*-'2'6.0'.07/6' 6-'1/210/6,0-'7/0'340'62'7' 1054 ,7/'1/,*5,1 0'D/&./"/-#8'5 8.,5.'7;24*3-':2-6',*'7' 03,60//7*07*'-105,0-'D ' /29$#:9 9& ' .0' /226-'2' 3")-!#8''7/0'4-03',*'6/21,57' -,7'2/'3=-0*60/=J 6.0' 280/-'2' ' 8A'?/'7/0'52*-,30/03' 0:0*7+2+40-' ' /9&$"/!#&5 /2:'6.0' 246.' 07' -7*3-'1/23450-'7' 0-.=' /226'57 03'$#' ;='6.0' 08' h07 7*30/-'8.2'4-0',6'7-'223'7*3'7-2'1/017/0' /2:',6'7'-1,/,6'-54+.6';=' 4/2107*'-7,2/-'2/',6-

7*6,-52/;4 5>47,6,0- . /226 2 1# '!!/ 3)3"/$/ ,- 4-03 ,* !7?7 7552/3,*+ 62 46*0 O,6. 26.0/ 7/2 : 76,5- ,*6.052 : 12-,6,2*2 17-6, 0- 2/ ;4/*,*+ . /7+2* /00 D "/22'8/ 1"/23 5 /0 : 7/97; 0 2/ ,6- : 2*-6/24-3, : 0*-,2*-7*3 1/23,+,24- 2*+0?,6= 0G430- /2 : ,6-6/4*9 7 /03 /0-,*24- 4,50 2*0 2 6.0 : 7*=9,*3-2 /7+2*#- 223F 4-03 : 03,5,*7 =7- 7* 7-6/,*+0*6J .,- /0-,* .7- ,6- 7*7 2+40 7 : 2*+-6 /8$%3""%22/&5 8.,5. 80 .7?0 1 7503*07/ '"8$#)'A . /7+2* /00 2 /267?7 ,- ?,-,603 ;=7 6/7?0 0/-,*6.0 7*7/=- 7*3- 6- 6/4*9 ;0 28 6.0 280-6 ;/7*5.0- ,- 00 6 ,* .0,+.6 7*3 60* :0* .2 3,*+ .7*3-57*-57/50 =0*5,/5 0 ,6 O .0* 0*0/, 0 O7-3,-52?0/03 ,* %$T 6/73,6,2*7 ,/ : 6.76 ,6 87- 7 /073=7- 7/+0 7- ,6 ,- *28 7 6/73,6,2*52* ,/ : 03 ;= 6.0 - 28 +/286. 2 6.0 =24*+ /7+2* /00- ,*6.0 7*7/,0- 2 8 .,5. 6.0 7+0 ,- 0G756 =9*2 8*J 8.0*50 ,6 .7- ;00* 57 54 7603 6.76 6.0 /7+2* /00 2 /267?7 ,- 6.0 2 30-6 1 7*6 *28 0G,-6,*+ 2* 6.0 + 2;0

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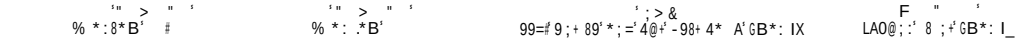

.0-0+0*0/7 80/0 2/ : 0/ =1 7503 7 : 2*+ 983' 5 .46 .7?0 *28 ;00* 8,6.3/78*7*3 +/24103 ;= 6.0 : -0 ?0- ,"88/ G /"$%')9 ,- 4/2107* 7*3 2/6. : 0/,57*E .%-!!/8$%'& 246. 4/2107*J '"3$'&5 7*6 : / :7 7*3 C2N25/EU 4-6/7 ,7*J 1/&-! 4+ '?#2=8

.0 -60 : 2 /8$! % / /"%3"'/ 0G430- 7 /0-,*24- =0 28 4,50 3 38!- 60/ : 03 267*= 7= 4 : 2 7* 75/,3 67-60 7*3 .7?,*+ 8.0* ;4/*6 6.0 - : 0 2 ;0*M2,*J ,6 ,- -03 ;= 6.0 4-6/7 ,7* 32562/- 2/ ,0*60/,7 D7 2/ : 2 3,7/,C.507F 7*3 6.0 3, 0/0*6 3,-07-0- 2 6.0 6.2/75,5 7?,6= , / /3/): ::/ 87- 2/ : 0/ =5 7--03 7 : 2*+?4 *0/7/,0-J ,6 ,* .7 ;,6- 6.0 -87 : 1- 2 2/6.7*3 0*6/7 4/210 7*3 87- -4112-03 62 -2 60* 6.0 ;2*0- 2 6.0 - .001 7*3 2G0* 8 .,5. 03 2* ,6J 62 8 .,5. 1/0 43,50 ,6 280- ,6- -105, ,5 *7 : 0

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;;@* 08 C989;; * ! 4 4?9?C +0?9# 08 / + * 4899C ;: . <0B9# - 4A ;=8 4# ?C0;:A# 08 ?0B9+ B9? 4 *B>989= >A B9=@ *8A ?9C+*# ? BC 9 08 8*89 A >8*;479=# 9* A# 08 ?0B9+ B9? ?708+9;9= *;= : - ;:0 0/98;: ?4*C9? * +98;*+9# >*?9 ?79*+7 ;:# > *=9 ;9*8# C0 ;+9=# ;98-9? ?+ @*+9# 9;+ 89 08 =9;+ 4@ *+9# : *>8O@? 08 7* 8A# *+ 47*;;9 9= 08 4A ;=8 4# ?0B9+ B9? 40BC89??9=*;= 47*B>989= F9 +79 ?+9B?# ;* A ?0B9+ B9? 0>?0 9+9 0 8 08 = 4 ;0@? >A *889?+# 89:@ *8# ;* *4ABC9 ?C F9 08 79*=# 8*89 A ?0 +*8A# 9*47 @8; ?79= / +7 *>8*4+90 9 2 0 N ?98 *+9 9* 9+?# 9R@* # : @B*490@? ?4*8 0@?# C9 ? ?+9;+# 9?+ -*+ 0; B>8 4*+9 - @?@* A N# OCC0? +9 +79 C98 *;+7 ?9:B9;+?# *;= ;?98+9= *+ +79 8 >*?9# 08 7ACC:A;0@?# 8*89 A M# OCC0? +9 +0 +79 0@+98 C98 *;+7 ?9:B9;+?" :#!/ '8$& 08B# 899 08 @;+9= >A +79 8 >*?9 /8$%'"& ;+8O8?9# 49 9=# =97 ?49;49 0;: E +@= ;* % 899# M 49 !9=# 08 H 49 9= B 9J9!/5 3&$%3(#/ "&$-!' +98B ;* # ? BC 9" &$#7 /& M# 08B# C*C 0?9" 3(9!'& M# >*? *8# 08 ;@B980@? *;= / +7 49;+8* 08 C*8 9+* C *49;+*+ 0 # 9894 08 *?49;=;:# *;*+8OC0@? H M 49 9=# / +7 (?9B ?9C+ 980@? -* -9? ?0B9+ B9? 407989;+ *+ +79 8 >*?9# 8*89 A ?9C+ 8*:*

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.0 1/210/6,0-' 982' '7/0 4*,*60/0-6,*+' .0 /4,6 2' 98/9&/ %2A5';7903 7*3-600103',*'8,*0',-' -7,3 62';0 7 3,4/06,5'7*3 62 -621 : 0*2//.7+,7';46',6+,?0-'.07375.0-' .0 /.,M2 : 0-'2' '2387!3 '"/$+5 ':: 9&5 7!/92##&5 7*3 0-105,7 ='2' 9J9!/'('"8/!#&5 7/0 1214 7/ 3,4/06,5-',*' 0*6/7' 4/210' '7!/$#29& ,-' 54 6,?7603';='+7/30*0/-'62' : 790 ;7*3-'2' .0 .,*0-0 4-0 6.0 1,6.'2'50/67,*'-105,0-' 2/ 57*3 0 8,59-' _ .0 ,,/6.,*+'/4-. ,+.6 2' *+ 7*3 .73 7 8,59 2'/4-.'1,6. S

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; +8 0 8 ? 9 #' > * ? = 0 8 ? 5 9 = '' 4 9 ?' #' C * 8 9 9 #' 0 C 9 ; ; : ' 0 ; : +@ = ; * A ' # ' 8 9 9 #' 0 ' ' ? 9 - 9 8 * 0 - ; 9 = ' 4 9 ?#' ? 0 B 9 + B 9 ?' ? @ > 4 9 9 = / +7 ' M' ; 4 0 B C 9 + 9 ' 4 9 ?#' 0 ' / 7 4 7 ' Ĥ * 8 9 ' ? B * 9 ? + ' * ; = ' 9 B C + A #' * ; = ' 0 ; 9 ' 9 8 + 9 ' H 0 - @ 9 = '' &$-!'' +9 8 B ; * #' ? B C 9 '' &$#7 /5 > 7 4 F #' @ ; * + 9 8 * #' 0 8 ' 0 > ? 4 @ 8 9 A ' M 0 > 9 = '' 3(9!'& * ; * + 8 0 C 0 @ ? #' ? 0 B 9 + B 9 ?' ? 9 - 9 8 * ' 7 0 8 , ' ? 0 ; + * ' 0 8 ' 9 8 9 4 + #' ? 0 B 9 + B 9 ?' 0 ; 9 ' C 9 ; = @ 0 @ ? ' ' - ' 9 ; - 9 0 C 9 = ' > A ' + 7 9 ' C 9 8 ? ? + 9 ; + ' > * ? 9 ' 0 ' + 7 9 ' C 9 8 * ; + 7 #' / + 7 ' ' B * ; A ? 9 9 = 9 = ' 4 9 ?#' * ; = ' M' 0 4 @ 4 = * ' ? 9 B ? 9 C + 9 8 0 @ ? ' - * - 9 ? #' 0 8 ' ; = 9 7 ? 4 9 ; + #' H 4 9 9 = #' H ? 9 9 = 9 = ' = ' ; @ B 9 8 0 @ ? #' ; ? 9 8 + 9 = ' * + ' + 7 9 ' ; ; 9 8 ' ' ; : 9 ' 0 ' + 7 9 ' 4 9 ?#' 0 8 ' ? 0 + * 8 A #' C 9 ; = @ 0 @ ? ' 8 0 B + 7 9 ' + 0 C ' 0 ' + 7 9 ' 9 8 + 9 ' 4 9 #' 0 > 0 ; : ' ? A ; = 8 4 ' Ď $ '&: /' C * 8 4 7 B 9 ; + F #' ? + 8 * + 9 ' 0 8 ' + 9 ? ? 9 * + 9 = ' "' / . % '' 0 8 B #' ; 4 0 ; ? C 4 @ 0 @ ? ' %/!/J/' * C 4 * #' + 7 4 F 9 ; 9 = '' /!#C9 '8 * 8 ; * 4 9 0 @ ? ' " - ! ' ? + 8 * : 7 + #' * 5 9 #' 4 * - * + 9 ' 0 8 ' M A ; = 8 4 '' "/)#2!'' ; 9 * 8 ' + 7 9 ' 7 @ B

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060/7*6 0/7 # 2*6030/,7 04--67

38$')'"#/'' ' .7?0 ;00*' 1 7503 ;=' /2*+*,7/6 ,*' 6.0 -7 : 0 5 7 --' 8,6.' "3 '!#/2'$'5 6'!!38# 2" 7*3 !'' 3)3"/'' / ' 6.0=' 3, 0/ /2 :' 6.0 ' 682 7660/ ,*' 6.0,/ /00 2?7/=' 7*3 7/,*75024-' 7 ;4 : 0*' 7*3 /2 :' 4#"3 '!#/2'2" ,*' 6.0,/ 52 : 1 060 =' 1067 2,3 10/,7*6.' 2 60*' 6/,7*3,024-' 7*3/505,46*' 2?7/=' 8,6.' 4*0>47' 50 -' *3 7G, 0 0 : ; /=2 7-' 2*+' 7-' 6.0 7 ;4 : 0*' .0=' 711/275.' &.%3)'!'/ ,*' 6.0,/ 10/,7*6.' 7*3 7*3/505,4 : J 46 7/0 -017/7603 ;=' .7 ;,6' -0-6,?76,2*' 7*3 6.0 *764/0 2 '6.0 7 ;4 : 0*' 38$')'"#/3'2" 0-105,7 =' ,*.7 ;,6 :0/,57 ;06800*' %$m *2/6.' 76,6430' 7*3 ($m -246.' 76,6430' 6.0=' 7/0 /7, 0 ,*' 6/21,57' /,57 7*3 -,7

38$')'##/'#?#7#8/!#&,-' 0-600 : 03 7-' 7 : 03,5,*7' 1 7*6 ,*' !717*' !7?7' 7*3 2*' 6.0 2/2 : 7*30' 27-6' ?.0/0 7 305256,2*' 2',6-' /226 ,-' 4-03 ,*' 3,-07-0-' 2' 6.0 ,?0/' 7*3 -62 : 75.J 14 ?0/,M03 7*3 : ,G03 O,6.' 4+7/',6 ,-' 73 : ,*,-60/03 2/' 7-6. : 7J ,6' ,-' 5.0803 2/' 6226.75.0J ,6-' 07?0-' ; /4,-03 7*3 : ,G03 8,6.' *, 9' 7/0 73 : ,*,-60/03 ,*' 5.2 0/7J 7*3 ,6-' =24*+' -.226-' 7/0 03, ; 0

)) ' 1]

2 ! M' /288 B M' #8)!

L ! ' / +>' > 8 0 @ ?' 8 0 0 +? ' - ' 9 8 9 4 +#' ? B C 9 #' 0 +9 ; ' / 0 0 A ' ' 9 ; ? ' I 8 B '' > * ? 9 ?' ? > 9 * +> ; : #' 9 R @ +* ; +#' ; * 8 8 0 / ' 0 8 ' ? C F 9 = ' 0 8 '8 * 4 9 B 0 ? 9 #' 9 ; 4 0 ? 9 = ' ; ' C * + > * 4 9 0 @ ?' C 9 8 ? ? + 9 ; +' > 8 * 4 + ? #' ; 0 = 0 8 0 @ ? ' : * ' 0 ' ' G * ; + 9 8 0 C 0 ? + 9 8 0 8 I' B 9 B ' 8 * ; 0 @ ?' B * 8 4 9 ? 4 9 ; +' ? 9 : B 9 ; + ? #' A 9 0 / ' + ' 0 C C 0 ? +9' +> 9' C 0 ? + 4 0 @ ?' C 9 8 * ; +> ' 9 : B 9 ; +'' :#!/ '8$ = * +9 = #' / +> ' > 8 0 * = ' * +9 8 * ' / ; : ?' * ; = ' C 9 +* 0 = ' ? + * B ; 0 = 9 ?'' /8$%''' 49 9 = ' % ' ? @ C 9 8 0 8 #' , 49 9 = '' &$-!'' 9 5 4 9 ; +8 4 '' &$#7 /' 4 @ C @ * +9 '' 3(9!'& @ B 9 8 0 @ ? #' 0 ; ' +> 9 ' ; ; 9 8 ' * ; : 9 ? ' 0 ' +> 9 ' 4 9 ? ' ' M 4 9 9 = #' 0 4 @ 4 = * A ' M - ; - 9 = #' * * ; A ? 9 9 = 9 = ' ' B ; @ + 9 #' > 0 8 < 0 ; + * '' $ '&$/' +7 4 F '' /!,9 '8 9 ? > A ' " - ! ' 5 9 #' * 8 : 9

., =3/4 : ' 060/,7

' - : 7 ' 2/30/' 2 '682 +0*0/7' 075.' : 2*26=1,5'4-47 =' 7--25,7603 8,6.' & ' ;46 /2 :' 8 .,5.' 6.0=' 0/ ,*' 6.0,/ 6./00 50 03 2?7/=' 7*3 0 : ; /=2 ,*5 4303 ,*' 6.0' 7 ;4 : 0*' 2 ' :0 6.0=' 71107/ : 2/0 5 2-0 =' ,03 62 $88)-8' 5 /2 :' 8 .,5.' 6.0=' 3, 0/ 5 .,0 =' ,*' 6.0' /034503 10/,7*6.' -67 : 0*-' 7*3 7/+0 0 : ; /=2' ;0=' 7/0 *76,?0-' 2 '07-60/*' 6/21,57' -,7 7*3 4-6/7 ,7 B *S

A .,-' /30/',-' 2 : ,6603 ,*' 6.0' 2/,+,*7 B

M' (' '

G ? : 7

G$@ 3 7'8'"/ 9&&#'9 1 /$&2% 8 5 "
6# #9)!

" %8 ' : ' 2 ' #8:'"#3"5)39,!'4' ' M' 2 ' M' - 'N#
%-.37-839&5 /#!':'"$#!'5 3"# &3 "' &$'"#!' ' % '&9.'"#3"5 <#$%' ':'/&>3(9!')'2'!!&E '
3"$%3$"3.39&' ' <#$%' M ' 2'!!&5 !329!#2#)/!' ' /!,9 #839&' P-! '
/8$#$"3.39& 1 -'%'",/2'39&' '/!$'"8/$'
@44@ 9;+' '*;;@*'/ +7' >80@?'800+# 08'C989;; *'/ +7'*'+@>980@?'87 <0B9'
-'4A ;=8 4# F;0++A' ' * +98;*+9# ? BC 9# 9;+ 89# ?79*+7 ;:'*+' +79' >*?9#
+' 08' 47;;9 9=# ?0 +# ;98-9=# ?79*+7'9;+ 89' " 8 ' U # 08' ;40BC 9+9'>A' *889?+'
0'+79'0-*8A# 89:@ *8' 08' ?@>=889:@ *8# @?@* A' > @9# ?0 +*8A# *?4 4 9=# @B>9 *+9' 08'
8*49B9=# @8;?79=' 9 +798' / +7' >8*4+?' 08' / +7' ?C*+7*490@?' 08' 4@4@ *+9' H C7A 0@?'
;-0 @489?' 2 '=0@> 9" +79'0@+98' 4* A4 ;9'0 'M C98? ?+9;+' ?9C* ?# +79' ;+98 08'
4080 ;9'0' '=?+ ;4+' ?9?? 9'08'4 */9=' C9+* ?# -98A' 8*89 A' @; +9=' *+' +79' >*?9' ;+0' *'
?708+' +@>9' D -/83$#& E 4*=@40@?' 08' B*849?49;+# ?0B9+ B9?' >940B ;:' 9? A' * +98'
0/98 ;:'D / .'!#/5 0;9'0 +9;'=?? B *8'08'0>?0 9+9" B?+ -*+>;' B>8 4*+9'
I5 7AC0:A;0@?# 0CC0? +9'+0'+79'?9C* ?'*;='C9+* ?# ?0B9+ B9?' @' +/0' :80@C?' G 2%3"#>'
&/8)@"/5 8*89 A' M '>A' *889?+# ?0B9'0 +9;'*;+798 9??" :#!/ '8$& 08B# @?@* A' @8E
;?79='/ +7'D0 ;+9='7* 8?" 2388'2$#(" = *+9=" /8$%'"& ;+8087?9# 08'8*5.9 A' 0;9' 95+8087?9'
*;=' ';+8087?9' ;'+79'?*B9' 0/98# 49 9=# 49 ?' = -98:9;+# B*8: ;*'0;'+79'40;;94E
+ -9# -98A' 8*89 A' *=;*+9'+0' +?'*;+98 08' *49# *;='40;+ :@0@?' C*8* 9'G1#'%3"#&/8)"/5
=97 ?49;49' 0;: +@= ;*# * ' 98+ 9# 08' ?0B9' ?+98 9' *;=' =9 08B9=' % ' 899#
M 49 9=" &$-!' ? BC 9" &$#7 /' @;= - =9=# 08' 0>?4@89 A' M 0>9=# 08' 0B9+ B9?' 40;E
4*-9' G -/83$#& " 3(9!'& ;?98+9=' *+' +79' ;;98' *;: 9' 0'+79' 49 ?# 9 +798' B089' +7*;'
+/0# C9 +*+9# ?98 *+9' 0;' ;98- 08B' C *49;+*?" 08' ' >*? 59=' *; ' 40 *+98* " 08'
?@C98 BC0?9=# H C9;=@ 0@?# +79'0+798' 9894+' ' @?@* A' *440BC*; 9=' >A' +79'
C98? ?+9;+' C98 *;+7# M 49 9=# 08 49 ! 9=' >A' *889?+# 0'M ' 04@ 4 =*'?9B ?9C+ 980@?'
-* -9?' ' 9/'08' ?0 +*8A# 0-0 =# *;:@ *8# C9 +*+9# 08' ;9*8 A' ?R@*89" $'&$/' B9BE
>8*;0@?' 08' 8 : =# 8@:0?9' 08' 0-90 *+9# 4 0?9 A' *=7989;+' +0' +79' 9?7A' =9;?9' * >@B9;"
%#!9 ' -9;+8*'*;='=9C89??9=# 08' *+'0;'9;='0' +79' ?99=# *;='*8:9' " -! 'C@ 9AE
?7*C9=# ?@;F' ;*' C +'0' +79' * >@B9;# = *B9+8 4* A' 0CC0? +9' +0' +79' 7 @B" "/)#2!'
40-989=' >A' *' 700=' G' ,"-3$'7

P 2::0=*7 P *0,0:7' P =7*26,-' P ,0.2/,-7*3/7
P /730-57*6,7 1,/2*0:7' 7:10,7' 25.,2-60::7

3" 8'!-#'2' 7/0' 3,-6,*+4,-.03' /2:' 26.0/' 2*2526=032*24-' 7:,,0-' .=' 6.0,/' 324;0' 10/,7*6.'
5 07/ =' -017/7;0' ,90'6.76'2' !#& /''2'5',*62'57 =G'7*3'52/2 7' .0,/'.7;,6'7*3'-6/4564/0'-017/760'6.0:'
/2:' 983'2'5'62'8.,5.'6.0=' 80/0' 2/:0/ =' 4*,6033 6.0=' 711/275.' '&$#/2'$&5'7*3' 0-105,7 =' -"#)'''5',*'
6.0,/'7*6,6/2124-'0:;/=2'7*3'-.076.,*+' 07?0-J .46'6.0-0'3, 0/',*' -0?0/7' 26.0/' 5.7/7560/-'7*3'*267;='
,*' 6.0' 2/:' 7 ,3' -,6476,2*' 2' 6.0,/'0:;/=2' 8.,5.',-' 0*6,54 7/' 7*3' 1/0--03' 7+7,*-6' 6.0' 246-,30' 2' 6.0'
7;4:0*' 3 '!-8' '+/28',*' 6.0'6/21,5-' 2';26.' 82/3-'7*3'0-105,7 =' 6.0' 0 8 J 7' 08'7/0' 4-6/7,7*'
8.0/0'6.0='0G60*3'62' 3c'-246.' 76,6430' 2:0'0G60*3'62' %$m'*2/6.' 76,6430

,66 0',-' 9*28*' 2' 6.0' 1/210/6,0-' 2' 3 8#'!-8'/' 7*=' -105,0-' 12--0--' 7*' 7;4*37*6' :45, 7+0'
8.,5.',-' 7,:0*67/=' 7 60/';0,*+' 522903' .0' 64;0/24-' /.,M2:0-' 2' -2:0' 52*67,*';0-,30-' :45, 7+0'
-67/5.' 8.,5.' 733-' 62' 6.0,/'*46/,6,?0' >47 ,6,0-J -45.' 7/0' 3 '!-8/' $#$,'"3&/5' !'&$#&5 /879&$#:3 /5'&$"#2$/5
" 5 J 26.0/' 0G,57*' -105,0-' 7/0' 73:,*,-60/03',*' 3,-07-0-' 2'6.0',?0/' .0'/.,M2:0'2' ' ,-'1/7,-03
7-' 7*' 0:: 0*7+2+40' .0' 64;0/-' 2' ' ')#2/' 7/0',*' 4-0',*' .,*7' 2/' 524+.-' 7-6.:7' 1 04/,-=' 7*3'
-6/7*+4/=' .0' .0/;7+0' 2' "/) /8$#/' /!),/"#2/5 522903',*' 2, ',-' 0:1 2=03',*' 6.0' 6/076:0*6' 2'
01/2-=' 7*3' /,*+82/:' .0' *3,7*-' 3/,*9' 7' 305256,2*' 2' -/83$#&' /?#!!/"#&' 2/' 3/21-=' ")'&2/8$#/'
)"'$#'/',-' 1/0-5,C,;03',*' /7M,

)) ' + A 5A' * 98$%

b 0 ? F9' ? 9 ; =98' 4899C ; :' C9 @4 =' 4 :80 / ; :' ;' =*BC' C *49?' - ' ; /7*5 .0-' ' * +98 ; *+9#' 480 / =9=#' ; 9*8#' 9B *8 : ; *+9#' *44 =' 0 8 ' 6# *5 *8A' 0 +*8A#' C9=@ ; 4 9=#' / 7 +9' C ; F' 08' - 0 9+' 2 ' 0 ' N' C 949?' ;' + / 0' ?98 9?# B *849?49 ; +" 0@+98' 0 ' M' 798>*490@?' ?9C* ?" ; ; 98' 0 ' M' B9B>8*E ; 0@?' C9+* ?' - ' M# ; ?98+9=' 0 ;' +79' >*?9' 0 ' +79' ?9C* ?" /8$%'"& >*? 59=# ?C*+7@ *+9# BC98 94+ A' 49 9=#' ; +8O8?9 ' % ' H 49 9=" 2/". '!& OCCO? +9' +79' C9+* ?" &$-!'' O8B# C98? ?+9 ; +&$#7 /' ? BC 9# B ; @+9 A' M 0>9=" 3(9!'& ?9?? 9# 708 <0 ; +* # 0 ;' M' C*8 9+* ' C *49 ; +*?# O8+7O+8OCO@?' ' B9B>8* ; 0@?# H 49 9=# 00@ 4 =* A' M -* -9=# B * ; A ?99=9= ' ' ?@> : 0>0?9# +98B ; *+9=' >A' *' 40 ; 4*' +@>984 9'[$'&$/' 8 >>9=" /!, 9 '8' =9 ; ?9# 0 ' 8*= *+ ; :' 49 ?' " - ! ' B ; @+9# 7* ' BB98?9=' ; ' +79' * >@B9 ; ' *+' +79' 9 ; =' OCCO? +9' +79' @B

7=757

' - : 7 ' 2/30/' 7 ,03' 0,6 . 0/' 62' 3 '!-8 ' /' 2/' 62' -"#) ' 2 '' 7*3' + '&$#/8 ' 5' 7552/3,*+' 62' 6 . 0' ?7 40' +,?0*' 62' 6 . 0' 12-,6,2*' 2 '6 . 0' 0 : ; /=2' 8 ,6 . ' /0+7/3' 62' 6 . 0' 7 ; 4 : 0*
. 0' -105,0-' 7/0' 7 ' : 0/,57*' 0G60*3,*+' /2 :' ,/+,*,7' 62' /7M, B " :

' 1 A 5A' * 98$%

b 98>*490@?' @?7 F9' 08' 9=: 9 F9' +@ +9=' 9894+' @?@* A' 8 : =' 4 0 +9 ; ' :80 / ; :' ;' / *+98A' C *49?') ' >80@?' - ' ? BC 9' ' 8*= 4* # 9 ; ? 08B' 08' 08B# >*?9' ?79*+7 ; :# 0 +9 ; ' 9R@ +* ; + ' 0 8 ' : # ;' +98B ; *' ?0 +*8A' 79*=?' 0 ' =9 ; ?9 A' B>8 4*+ ; :' H 0 / 989=' 8 : =' ?4*8 0@?' >8*4+?' 2 ' 0 ' N' ?9 : B9 ; +?' ;' + / 0' ?98 9?" M' 0@+9 ' ?9 : B9 ; +?' 4* A4 ; 9# *+98* # ; *- 4@ *8# C98? ?+9 ; +# 8 : =" *; + 40@?' BO89' B9 ! >8* ; 0@?# *8 : 98# ?79*+7 ; :' +79' *+98* # 4*=@40@?" M' ; ; 98' ?9 : B9 ; +?' C9+* 0 =# 4 * / 9=# 4 * / ?' B O89' 08' 9??' 40 ; ; *+9 ' - ' M 1N# ; ?98+9=' 0 ; ' +79' ; ; 98' C98 * ; +7 ' ?9 : B9 ; +?# M' 0CCO? +9' 98+ 9# +79' 0+798?' ?+98 9' C9 ; 4 *+9' 08' 0>?0 9+9" :#! / '8$&' E 08B' " /8$%'"& 95+8O8?9# 49 9=# =97 ?49 ; 49' 0 ; : +@= ; * ' % ' H ' 08' ; 40BC 9+9 A' M 49 9=" &$-!'' +98B ; * # M =' " &$#7 /& M# 00' 0>9=" 3(9!'& ; @B980@?# >*?* # 08+70E +8OCO@?# @ ; 4 9' 9 0 ; :*+9 ' P ' H 49 9=# 04@ 4 =* A' M -* -9=" 08' M 49 9=' * ; =' 9 ; 9?+8*+9' *+' +79' >*?9# 0C984@ *+9' *>0-9" ' ; @B980@?# * ; : 9=' 08' : 0>0?9" $'&$/' 408 *490@?# ?+8 *+9' 08' 40?+*+9' " /6#9 '8' 9?7A' " - ! ' ' B ; @+9# 9 ; + 4@ *8# C *49=' 0@+? =9' +79' * >@B9 ; ' *+' +79' 9 ; =' OCCO? +9' +79' 7 @B

') =/,-' ; 2 ; 237

-"#) ' 7/0' 5 2-0 =' 7 ,03' 62' 3 '!-8 '2& 7*3' +"#33/9!38' 5' 7-' 7 -2' 62' / . /$' /2 '2 '5' /2 :' 8 . ,5 . ' 6 . 0=' 3, 0/' ,*' 6 . 0' 0 : ; /=2' *26' ; 0, *+' , : : 0/-03' ,*' 6 . 0' 7 ; 4 : 0*' . 0=' 7/0' *76,?0-' 5 . ,0 =' 2 ' -87 : 1-' ,*' 6/21,57' 7*3' 87/ : ' 524*6/,0-' . 0' 07?0-' 7*3' /2 6' 7/0' 4-03' ,*' 6 . 0' 54/0' 2 ' ,65 . ' 7*3' 01/2-=' ,*' *3,7' 7*3' 246 . ' : 0/,57 B :

¢ . ,-' /30/' ,-' 2 : ,6603' ,*' 6 . 0' 2/,+,*7 B *
; ' 7 ?' 8=98' ?' 0 ; A' * @=9=' +0' ; ' +79' 08 : ; * ' *+' +79' 9 ; =' 0 ' "#32) 38 ' A' GC ' OM+% 8 &

6 ' 5 +(" L-
R 0 / 98 ?+8 CC9=' 0 '
+?' >8*4&,

6 'W(W O+ " '
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GB*: I

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-* A' 4@+' - 98+ 4* A
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6 ! 6 (" ' 6 'W(W(>(" ' 99=#
,7+/7 : -@ 9' GB*: I ' 9 ;+ 89' *;=' 4@+' - 98+ 4* A' GB*: I

?@880@;= ; :+79 ?+98 9 4*8C9 ? 3(9!'& ?0 +*8A ; 9*47 4*8C9 # C9;=C 0@? ;9*8 +79 +0C 0 +79 ; ;98 *; : 9# 08+70+80C0@? - 480 / ;9=>A +79 ?+A 9# ?@880@;=9=>A +79 C98 *;+7# 6M 99 9=# 04; 4 =* = C9;=@ 0@?# 0-0 = 08 ?@> 4A ;=8 4# 0;: +@= ;* A 8 >>9= 8 >?B9B>8*;0@?# 7A* ;9# >89*F ;:@C ;+0 ;9 7* 8?'' $'&$/' 408 *490@?# ?7 ; ;:'' '8)3.!'9"/ '' /!,9 '8 *8 ;*490@? D 7 = *B9+8 4* A 0CC0? +9 +0 +79 7 @B# C89??9= +0 +79 0@+? =9 0 +79 * >@B9; * ;+ +80C0@?# ?@> : 0>0?9 08 9;+ 4@ *8

/,2074 2* 2*,*7 .,23,50 7-17 7*6.4- 75,*2574 2*

"#3'/9%8=&5 8,6. 3 '!-8' 5 -"#)' 5 '&$#/3' 5 7*3 $"3!'.#)'2 5 2,6, 2* 7/6,*-# 5 7--2 8/8$#3%!/&$'2'5 -2 *7 :03 2*' 75524*6 2 6.0 ,*?7/,7; 0 12-,6,2*' 2 6.0 0:;/=2 76 6.0 2112-,60 0*3 2 6.0 -003 62 6.0 .,4* "#3'/9!38''& 711/275. '&$#/2'2'' #8 6.0 2?7/= 8,6. T (2?4 □3 50 - 6.0 10*H 34 24-7*3 2/6.26/2124-2?4 0 6.0 -6/4564/0 2 6.0 -003 7*3 6.0 3,/056,2*' 2 6.0 06*;/=2 ;46 '&$#/2'2'' 7/0 -017/7603 ;= 6.0,/',* 2/0-50*50 6.0 52 : 1 060 = + 4 : 75024-10/,7*6. 6.0 -0 ,760 -67 : 0*- 50 03 7*6.0/- 7*3 6.0 - : 226.'60-67 8,6. *7903 2/ -6/21.,2 760 .,4 : "5

"#32)38' 7/0 62 0/7; = /,5. ,*-105,0-E 682 6.,/3-2 6.0 7 :, = 7,00 6/21,57 : 0/,57*7*3 .7 2 6.0 /0 :7,*30/7/0 2/6. 4-6/7 ,7* 08-105,0- 7/0 24*3 ,*' 6/21,57 -,7 737+7-57/7*3 6.0 ,- 7*3- 2 246. /,57 .0= 7/0 0-- /7?0 ,*' 2/6. : 0/,57C 8.0/0 6.0= 0G60*3 62 %%m 76,6430J 2*0 7 2*0 D "#3'/9! &'.$/879!/"' ,*.7;,6- 2/6. : 0/,57 7*3 526 7*3 8.0/0 ,6 .7- ;00*' : 06 8,6. ,*' 9=0 _7*3 ,*6.0 80-6 2 /0 7*3S

0-1056,*+ 6.0 1/210/6,0- 2 6.,- 7 :, =*26.,*+ ,- 9*28*' 0G5016 7- /0+7/3- "#3//9!38 &'$/2' 5 2 8.,5. 6.0 .0/;7+0 5.2903 ,*2, ,- 4-03 7- 7 1214 7/ 7*6,1-2/,5 ,*' *3,7

D!4 7'8'"/5 9&&#'9 1 " 4 " 06 $4 1'&(/9?

)#2!#839& : #8:'"#3"5 2/!-2#:3" 5 3: H> H>&'"#/$'' 7!9 '&5 3' # .'":'2$ = M # M H 49cc94\ &3!#$/"-5 3"$%3$"3.39&5.'8)9K !39& - /' Z>2'!!')' 2/.&9!'' 3' /' 89$ = /!,9 #839& /8$#$"3.39&5 39$&#)'' $%'' /!,9 '8# 1 = 3' % M /!!' "/)#2/!' 3' 2/9!#8'5 &%'/$%#87 * &.#F')' 3' "/2' ')

< 08 - =< K= / +7 *' 4899C ;:' 8> <0B9 = >8*;4>9= F;0++A 08 ? BC 9 M 9 +798 * 8*= 4* # 480 / =9=# 08 4*@ ;9 * +98;*+9# ?79*+7 ;:' *+ +79 >*?9# ?79*+7 ?C +# > *=9 9;+ 89# ;*880 / ;9*8 08 *889?+9=# * 89:@ *8# ?C F9=' 8*49B9=' 08 C*; 4 9=# B 59=' / +7 ?4*8 0@? >8*4+?# @?@* A = 4 ;0@?# 8*89 A ' G '.-> "3)#/ : =' :@B*490@?# 0 N ?98 *+9 :@B9?# 0 +79 0@+98 *+98* # *;=' H C0?+98 08 1+79 ;;98 *8:98 08 ?B* 98# C98? ?+9;+ ;' +79 \ 0/98?'' ?0B9+ B9?' 0 '*' ? ;: 9 ?4* 9 = M# 0CC0? +9 +0 +79 ;;98 :@B9?# *;=' ;?98+9=' *+ +79 8 >*?9# ?+98 9 08 *>?9;+ ;' +79 \ 0/98?'':#!/ '8&& 08B# @?@* A 899'' /8$%'"'&H 49 9=# =08? 59=# C9 +*+9# 8*89 A 49 9= G -7#8#/5 '.#)/8$%9&5 8/"$%"#/5 U4 I# =97 ?49;49 0;: +@= ;* # ;+8O8?9 # 899# M 99 9=# 8*89 A H 49 9= G %2'$/8$%9&5 '.$3> 2/".9&5 3?32/"-/ E &$-!'& H M# 40;+ ;@0@? / +7 +79 >*4F 0 +79 4*8C9 ?# = ?+ ;4+# 08 D0 ;+9=' *+ +79 %=&'E &$#7 /& H M# C @B0?9# @?@* A G\f ;+8O8?9 0/c9? ?0 +*8A ;' 9*47 49 # C9;=@ 0@?# 08+70+80C0@? : *' 04@ 4 =* 4*C?@ 9# 08 *' 0 4 9 08 ;@+

ON " ' $ #

9K' A4 I "

5 ('" >(' 3 ' 2' *

&$#.9!'* 5 *8A#'B 9B >8*;0@?#'DO ;9='+780@:70@+' +?' 9;:+7'>A' +?'=08?*' *49'+0'+79' 9* ?79*+7#';0+' 0;:98'+7*;'+79'?79*+7#'08' C80=@49=' ;+0'*' 4@?7 0;'08' B 9B >8*;9' B!#79!' 5 899'0; A'*+' +79' +0C' * (' '08'B 0;094 0@?' 08' = 094 0@?#' ;'?C +9 9+?' /7 47'*89'8*89 A'?0 +*8D6#@?@* A'?C F9='C*@ 4 9='08': 0B 98*+9#'*;=' @8; ?79='/ +7' >8*4+?'08'C0 AB 08C70@?' ;-0 @489?' * '9*47'/ +7'H1 ?4*8 0@?'>8*4+?' B7!9 '&5 ?0 +*8A#'08' ;?98+9=' ;' '08'?9-98* '8O / ?'0;'*'40B B 0;'C9= 49 #'*;=' 08B ;:'*'H' 9/ ' B *;A 0/989=' ?C F9 9+'' Ų"/2$& >9 0/' +79' ?C F9 9+' 0 +9;' 0/98 9??#' ?0B 9+ B 9?' 79+980B 0 C+70@?#'*;=' ?98- ;:' *?' *' 40B B 0;' ?C*+79' +0' +79' ?C F9 9+' : ' ' 08' 08B 9=' 0 ' N#' ?0B 9+ B 9?' M 00' >8 ?+ 9?#' ?0B 9+ B 9?' @;+9=' ;+0'*' 8;:'*+' +79 8' >*?9'' bO 'N' ?98*+9' 89:@ *8' 408*490@?' ?9:B 9;+?' ;' "'3,3!9&!' = '7AC0' :A;0@?#'@?@* A'M#'0 '/7 47'H' ?'*;+98 08'*;=' 'C0?+98 08#' ?0B 9+ B 9?' H#' 8*89 A' ' B -.3!-$"9 ' 08' 'B 2!'"#/5 /9&$#& 5 08' N ' B '.#"38#/5 1#.!/&#/ 5 08' H ' B (/8)"/5 %"-&#$%"#? '' :#!/ $&' 08B '08' *++9;9=#' 899'' /8$%'"&' >*? 59=#' 49 9=#' ;9*8#' ;+808?9#'=97 ?49;49' 0;:+@= ;* ' # "' 899#'?9?? 9'08'?+ C +*+9#'0 +9;'?@880@;=9='*+' +?'>*?9'>A'*'4@C@ 08B'='?F' B 2!'"#/5 #2#8#/5 +'!/82"/8#&5 U4I#'08' >A'*' B9BE >8*;0@?'*=7989;+' 8 ;:' B # ,"#&$-!#& 5 08'>A'M' ?C*+7@ *+9' ?+* ; ;0=9?' B 9#"'8/^E 40B C89??9='08' C *;0 40;-95#' 08' B 089' @?@* A'/ +7'M' *;: 9?' *;?/98;:'+0'+79'M' ?+*B 9;?#'H 49 9=#'H 0-@ 9='' &$-!'&' #'8*89 A' #'?+ :B *+ 980@?' 0;' +79 8' ;;98'9=:9#' B 089'08' 9??'407989;+'>9 0/#'>*?9'40;+;@0@?'/ +7'08' +7 4F9;9='*;='DO ;+9='+0'+79' +0C' 0' +79' 0-*8A''' 3(9!'' ;?98+9='*+'+79';;98'>*?9'0 '+79'0-*8A#'9894+#'*;*+80C0@?' - 'H 99=9=#';=97 ?49;+#' 9;+4@ *8#'C *;0 40;-95#'M :0;0@?#'4A ;=8 4'08': 0>0?9#' ?B 00+7#'?C0+9=#'?4*>8 =#'>8 ?+ A#'+@>984@ *8#'8@:0?9'08'?+8 *+9#'@?@* A'+98B ;*+9='>A' +79'>*?9'0 '+79'?+A 9#'/7 47' ?0B 9+ B 9?'40B C 9+9 A'4*C?' +' B !/)#9 5 U4I'' .'"#2/".' B 9B >8*;0@?#'48@?+*490@?'08'>0;A#'-98A'8*89 A'*'=8@C9' B1#.!/&#/ ' = '9894+'' $'&$/' +7 ;'D' /!,9 =8 *8;*490@?'08'?0B 9+ B 9?' 9?7Af' " -! ' ;9*8'+79'7 @;#'B ;@+9" 95+8@=9=#'08'8*89 A'?@880@;=9='>A'*'+7 ;' *A98'O '* >@B 9;#'*;=';4 @=9='B /"'?5U4I" 23$-!')385 9;+4@ *8#' 9?7A#' @;= - =9='' .!9 9!'' ;40;?C 4@0@?'' "/)#2!'' ; 98 08#' 0>+@?9

! ' ' A' 4

C F9 9+?' @?@* A' B*;A 0/989=' @B9?' = ?+ 470@?#' B>8 4*+9#' ?0B9' 0' +79' 0/98' 0 +9;' 9BC+A' 0/98?' \' ' 98*;+7' #' 08' 89C89?9;+9=' >A' 7 ?C =' >8 ?+ 9?' +A 9' -98A' 8*89 A' ?/0 9;'*+' +79' >*?9#' =94 =@0@?

)

P 71=/4-	P 1=10/4-'	= ,4+,7	7/,-54-

K' %' A

C F9 9+?' @?@* A' B*;A 0/989=' @B9?' B>8 4*+9' ;' ?9-98*' 80/?#' -98A'8*89 A' = ?+ 470@?' B 8)"3$"#2%9 5 ,#!7//")#/ 5 ?0B9' 0' +79' 0/98' 0 +9;' 9BC+A' 0/98?' ' 98*;+7' #' 08' 89C89?9;+9=' >A' ?4* A' 08' 7* 8A' >8 ?+ 9?' 479;9' @?@* A' CO ;+9=' 08' >9*F9=' >A' +79' C98? ?+9;' >*?9' 0' +79' ?+A 9

025.7/,- ,5,*,7	4,/0*7' /,21.2/4:'	*3/26/,5.4: ,:;/,-6= ,-	5,/14- 0 7*5/7*,-	-2 01,7

" ' $M O*

! ' ' $! ! +

C F9 9+?' H 0 / 989=#' *: : 0 D 98*+9=' ;' 4*C +*+9' 79*=?' 08' 4ABO?9' C*; 4 9?' 0 / 98?' :# 9*47' / +7' N' 4 0?9 A' B>8 4*+9' : @B9?' 98 *;+7' ' +*B9;?' 6# 08'N ' +A 9' M =# =94 =@O@?# 08' +79' >*?9' C98? ?+9;+

'

=12 =6/4 : ' ,1257/1.7' 0 : ,57/1.7 ,1 7-,7

! ' " ' A

C F9 9+?' @?@* A' 9/ 0 / 989=' b 0 / 98' ?O +*8A' *;=' *5 *8A' ;' "'3,3!9&`' @B9?' B>8 4*+9' ;' ' 08' ?9-98*' 8O / ?# +79' 0 / 98' 9BC+A' 0 / 98?' @?@* A' CO AE :*BO@?' 98 *;+7'N# 08' 4OBCO?9=' O ' I' >8 ?+ 9?# 8*89 A' X??# -98A' 8*89 A' BO89' G H I' bO8' O ' N' ?98 *+9' C 949?' ;' "'3,3!9&`5 +*B9;?' M# ?0B9+ B9?' N ' 479;9' O +9 ' >9*F9=' >A' +79' C98? ?+9;+' >*?9' O ' +79' ?+A 9

' '

/6./2-6= ,- 74-6,-' =-:4- 0,/2-675.=-
01,32-10/:7 4,5.,,,:' .=*52-12/7 7/1.7
5.60*4- 73,4:' . ,62-12/7 /02;24-

! ' < ' + ' 6

C F9 9+?' = 4 ;O@?# +79' S' B*;A 0 / 989=# / +7' : @B9?' B>8 4*+9' ;' ' O+' ?9-98*' 8O / ?# +79' 0 / 98' O;9?' ?OB9+ B9?' 9BC+A' 98 *;+7' ' +*B9;?' H M# -98A' 8*89 A' ' `' ?C F9 9+?' H 0 / 989=# / +7' : @B9?' B>8 4*+9' ;' ?9-98*' 8O / ?' 98 *;+7' ' +A 9' M =# 9R@*' *+' +79' >*?9' 479;9' >O;A' 08' 48@?+*490@?# @?@* A' ?9*+9=' O;' *' M O>9=' = ?F

'

5 O/,7' ,1 70/4 : C

! ' " ']

0 / 98?' BO;094 O@?' 08' = 094 O@?# ;' ?C F9?# / +7' : @B9?' B>8 4*+9' ;' ?9-98*' 8O / ?' 98 *;+7' H S' ?C F9?' ? BC 9' +*B9;?' M ' Q' ?C F9?' ? BC 9' 08' 40BCO@;=' ?+ ' 9B>8*49=' >A' *;' ;;98' ?4* 9' / +7' +?' >*4F' +0' +79' *5 ?# F99 9=' G*;* O:O@?' +O' +79' @CC98' : @B9 9' O ' "/ #8'2'5 / +7' 9=:9?' @?@* A' DO ;9=' *;=' +7@?' O8B ;:' *;' 9;-9 OC9' O8' @+8 4 9' G9"''3!'5 .'"# #$%5 .'"#7-8#9 5 C98? ?+9;+' *;=' *4489?49;+#' *;=' 9;4 O? ;:' 9 +798' +79' O-*8A' O; A# 08' +79' O-*8A' *440BC*; 9=' >A' *' ?+98 9' ?9+ O8B' C9= 49

'

A 7/0G =*7

-.'"/2'$ ' 7/0' 5 2-0 =' 7 ,03' 62' "/ #8'2 E 6.0' 7660/' ;O,*+' 3,-6,*+4,-.03' ;=' 6.O,/' -1 ,6' 07 -.076.' /24*303' 54 :' 8,6.' 1/2 056,*+' *230-' 32/-, ,G03' 7*6.0/-' 4-47 =' 1 4 : 2-0' -6,+ : 7-' /4,6' 8,6.' 10/,57/1' 73.O/,*+' 62' 6.0' 60-67' 7*3' 7 87=-' 0G6/4303' O : ;/=2' .0' .7;,6' 2' -.'"/2'W ' ,-' 6.76' 2' '&$#/''2&5 ;46' 6.O

7660/' 0--0*6,7 =' 3, 0/',*' 6.0,/' (50 03' /4,6' 7*3' 6.0,/' 2/6.26/2124-' 2?4 0' -4-10*303' /2 :' 6.0' 621' 2 ' 6.0' 50

-.'"/3'$&' 7/0' -1/073' 2?0/' 6.0' 82/ 3' 7*3' 0-105,7 =',*' 6.0' 52 3' /0+,2*-' 2 ' 6.0' *2/6.0/*' .0 : ,-1.0/0J 6.0=' 7/0' +/0+7/,24-' ,*' : 7/-.=' 1 7,*-' 37 : 1' : 07328-' 7*3' 6.0' 3/=' - 210-' 2 ' .,+.' : 24*67,*-' .0=' 7/0' 0--' /0>40*6',*' : 7/,6, : 0' 0-647/,0-' /"'?' 7*3' 2#".9&' 3, : ,*,-.' ,*' *4 : ;0/' *-' 80' 711/275.' 6.0' 0>4762/J 6.0' 52*6/7/=',-' 6.0' 57-0' 8,6.' -.'"9&5 8 .,5.' 7;24*3-' 2*' 6.0' -.2/0-' 2 ' 7/+0' 6/21,57 ' /,?0/-' 7*3' ',*' 6.0' 5 07/,*+-' 2 '?,/+,*' 2/0-6-' -.'"/2''' 7/0' 0--' 7;4*37*6',*' 6.0' -246.0/*' .0 : ,-1.0/0' 8 .0/0' 6.0=' 7/0' /01 7503' ;=' +'&!#/2'2'

-. >/''2" 3, 0/' /2 :' "/ #8'2'',*' 12--0--,*+' .46' ,66 0' -4+7/' 7*3' -67/5.J 6.0,/' 07?0-' 7*3' -60 :' 52*67,*' *2' 4,50' 7*3' 2/ :' ;46' 122/' 17-64/7+0' .0' /.,M2 : 0-' 2 ' -2 : 0' -105,0-' 52*67,*' 7' ;,660/' 1/,*5,1 0' 7*3' 7'?2 76, 0' 2, '62+06.0/' 8,6.' 7' ,66 0' -67/5.' 8 .0*50' 6.0=' /7*9' 7-' /0-2 ?0*6-' 7*3' 3,4/06,5-' .0' .,660/' 7*3' - ,+.6 =' 57 : 1.2/760' /.,M2 : 0-' 2 ' 24/' /"#2'& 80/0' 2/ : 0/ =' 4-03' D0-105,7 =' 6.2-0' 2 ' -"'8/"#/5 8 .,5.' -2 : 06, : 0-' 7667,*' 7' ?0/=' +/076' 0*+6.e',*' .0/106,5' 7*3' -=1.,,6,5' 575.0G=' 7-' 7' 4;-6,646' 2/' 7/-717/, 7' .0' -6259' 2 ' 2#".9&'!/29&$"#&',-' 7-6/,*+0*6' 7*3' 3,4/06,5' $' #"'/' /"#1# /5 52 : : 2*',*' 6/21,57' : 0/,57' 12--0--0-' 6.0' -7 : 0' >47 ,6,0-',*' 7' .,+.' 30+/00' .0' .0/;7+0' 2 ' "#3.%3 ' 87-' 2/ : 0/ =' 73 : ,*,-60/03' 2/' 3=-0*60/=' 7*3' 6.0' -12*+=' 1,6.' 2 ',6-' -60 : ',-' 52*-,30/03' ;=' 6.0' 0/ : ,:' 107-7*6-' 0 ,575,24-' 7+7,*-'6 0*,7' .0' 64;0/-' 2 ' -.'"9&' !38-9&5 "3$982!9&5 7*3' -2 : 0' 2 ' 6.0,/' 52*H +0*0/-' +/28,*+',*' 246.' 4/210' 7*3' 6.0' .26' 176-' 2 ' -,7 ' 7/0' 7/2 : 76,5 ' ;,660/' 62*,5' 7*3' -6, : 4 76,*+' .0' /22 ' >' * -!!#$#-#/' $"#2'.&',-' 1/0-5/,;03',*' *3,7' 2/' 3,7;060-' .0' 64;0/-' 2 ' -.'"9&' (&2$)'8$ 5 7 *76,?0' 2 ' /,57' 4 6,?7603' ;=' 6.0' 7*5,0*6' +=16,7*-' 7*3' : 0*6,2*03' ;=' .021./7-60-' 52*67,*' ;0-,30-' 67/5.' .' *267;0' >47*6,6=' 2 ' -8006' 2, ' 8 .,5.' -0 32 :' 2554/-',*' -4;60//7*07*' 2/+7*-J 6.2-0' 64;0/-' =,0 3' 7' *24/,-.,*+' 223' 7*3' 7/0' /014603' 71./23,-,75' .0' 64;0/-' 7/0' : 2*,, 2/ :',*' ' /"$#29!/# 5 7' *76,?0' 2 ' 6.2' 6/21,5-' 2 ' ;26.' 82/ 3-J .0*50',6-' 52 : : 2*' *7 : 0' 2 ' 760/*2-60/' 4/' : 7/,6, : 0' '#"-# D7-' 5 $9,'"3&9&' .07/' -67/5.=' 7*3' 03,; 0' 64;0/-' 76' 6.0' 6,1-' 2 ' 6.0,/' /226 06-' *' +=16' 6.0' -60 : -' 2 ' -.2"9S')#('&' 7*3' /!3.'29"3&)'&' 7/0' 4-03',*' 6.0' 7;/,576,2*' 2 '?0/=',*0' : 76-' 1/0 0/7;0' 62' 6.2-0' 2 ' -6/78' 2*' 75524*6' 2 '6.0,/' /0-.*0--' *' /7*50' 6.0';0-6' : 766/0--0-' 7/0' : 730' 8,6.' 6.0' -60 : -' 2 ' 2##.9&'!/29&$"#&J 6.,-' 1 7*6' 4*30/+20-' 7' -,*+4 7/' : 23, ,576,2*' ,*' /4**,*+' 8760/' ;0,*+' 5.7*+03',*62' 7' 276,*+',;;2* ,90' 1.= 230' *' 6.0' -246.' 6.0' 2*+' -60 : -' 2 ' /"'?' 8'"(3&/' 7/0' 4-03',*' 5.7,/ : 79,*+' ,*7 =' 6.,-' 7 : ,=' ,*5 430-' 6.0' 71=/4-' D /- -8$&/8##M938/"# 5 8 .,5.' +/28-',*' 6.0' -87 : 1-' 2 ' 110/' +=16'_7*3' 26.0/' 17/6-' 2 ' 6/21,57' /,57e' 7*3' /2 :' 8 .,5.' 6.0' 7*5,0*6-' : 730' 1710/' ;=' - ,5,*+' 6.0' 54 :' .2/,M2*67 =' 1/0--,*+' 7*3' .7 : : 0/,*+' 7*3' 6.4-' 7660*,*+' 6.0' - ,50-' -2' 7-' 62' 2/ :' 7' -.006' 8 .,5.' 87-' 6.0*' - : 226.03' 8,6.' 7*' ,?2/=',*-6/4 : 0*6

' #! + A5' 9&&#'9

_ , ' ' " 1 ' - 1 G4 #8)!4`

7!9 /2'39&5 #8' &.# 2'!':&5 9&9/!!-' A' 1+ ' + '# .'":'2$'3'' ' - ' %-.37-839&5 9&9/!!-' M# "/"'!-' !'&&' 3'' 3"'45 ')3"&#:#?') ' % ':"''5 N>2'!!')5 N>3(9!'2!45 ' ./"#'$/!5 &' #>/8/$"3.39&' ' $! - ' :/"#8/2'39&' " - ! '%/&#!/"5 39$&#)'' $%'' /!,9 '8# 1` - ' 9&9/!!-' 283$$')5 ' <#$%'/' &.!#$ &%'/$%5 9&9/!!-' !#79!/$'

47-' 2/' 10/0,7 -' 4-47 =' .0/;75024-' 560-1,62-0' /7/0 =' -4 /460-50*6' /460-50*6' 2/' 7/;2/0-50*6J ?- ,6;',;/24-' /226-' 2/' 7' 5/001,*+' /;,M2 : 0' 2 60*' -62 2*,' /24-' 76' 6;0' /73,57' *230-' -' G29! ' 5=,*3/,2' /7/0 =' 52,*1/0--03' ,-64 7/' 2/' -2 : 06, : 0-' -2 ,3' 4-47 =' 2,*603' 76' 6;0',*-0/6,2*' 2 '6;0' 07?0-J *230-' 7**4 7/' -2 ,3' -82 0*' /7/0 =' 52*6/75603' G+3!#8#/ 5' -, : 1 0' 2/' ;/7*5;03' /2 :' 6;0' 0?2 46,2*' 2 ' 7*' 7G, 7/=';43' 8,6;',6-' 1/,:7/=' 07 ' *0G6' 6;0' -60 : ' ' 7 60/*760' 3,-6,5.24-' -1/,*+,*+' /2 :' 6.0' *230-J .'$#3!'' 3, 7603' 52*?2 460' -.076.,*+' 6.0' -60 : J

: 7/+,*-' /00' 2/' ?0/=' /7/0 =' : 2/0' 2/' 0--' 4*,603' J +/)"' 0*6,/0' 4-47 =' *7//28' ,*07/' -2 : 06, : 0-' 2; 2*+' 2/' 2?7 ' : 7/+,*-' ?0/=' 2 60*' -57;/,3' *0/?0-' 17/7 0' _4*,603' ;=' 6/7*-?0/-0' ?0*4 0-' J &$#.9!"' 7G, 7/=' 73*760' ;=' ,6-' 32/-7' 750' 62' 6;0' -;076;' 7*3' 1/234503' 7-' 7' : 0 : ;/7*24-' 62*+40' G!#79!' ' 6 ' 2' -1,90 06-' 7//7*+03' 7 2*+' 7*' 7G,-' G"/2%#& 5' -2 : 06, : 0-' -0--, 0' 2*' 6;0' /75;,-' G&.#F') 5' -2 : 06, : 0-' ;2/*0' 2*' ;/7*0;03' 1034*5 0-' 7*3' 3, 4-0' D./8#2!') ' 2/' -.2/6 =' ;/7*5;03' D7' &.#2/$"'./8#2!' 5' /7/0 =' 7-5,5 03' 7*3' 0*5 2-03',*' 7' 52 : : 2*' -176;0J' &.#F'!'$&' -0?0/7 280/03' 2 60*' 52*67,*,*+' -60/, 0' 280/-' 075;' 8,6.' 7*' ,*?2 45/0' 2' 682' -57 =' 2112-,60' ;/756-' G7!9 '& 5*07/ =' 2*' 7' 0?0 ' 2*0' 0 : ;/75,*+' 6;0' 26.0/' -2 : 06, : 0-' 7;-0*6' " 8& '0 + ' /7/0 =' 3,5 ,*24-' : 2*205,24-' 2/' 3,205,24-' -2 : 06, : 0-' 12 =+7 : 24-' 075.' g?,6.' ' -4; 2112-,60' ;/756-' G./!'2" 2/' 7!9 '! & 5' 2' 8.,5.'6.0' 280/' 7*3' 2460/',-' 7/+0-6' 4*0>47 =' *0/?03' 2/' 900 03' 4/*,-.03' 8,6.' 7' 60/ : ,*7' 2/' 32/-7' 2/' ;7-, 7/' 78*' 2/' :'46,524-' ' 110/' 7*3' ,**0/' + 4 : 0 0' -.076.03' ;=' 690' 280/' 0 : 7/+,*760' 2/' ;, ,3' /7/0 =' 2;-2 060' 2/' 7//0-603' 4-47 =' 8,6.' *2' : ,3/,;' 7*3' .7?,*+' ' 760/7' *0/?0-' 2 ' , : 10/ 056' ?0/=' /7/0 =' □' 52 : 12-03' 2' 8.2/ 03' .=12+=*24-' : 0 : ;/7*24-' 0-.=',//0+4 7/' -57 0-' G&M9/ 9!'& 5' 8.,5.' 7/0' /00' 2/' 52**760' *2/ : 7 =' ('6.0' T' 2460/' 7 60/*760' 8,6.'6.0' 17 0-0'6.0',**0/' 2112-,60' 62'6.0' 4110/' 17 07' 2 60*' .060/2 : 2/1.24-' 7*3' *7//280/' 4-47 =' 2;-2 060' - ' .=12+=*24-' 30 ,*,60' 4-47 =' ('-2 : 06, : 0-' G "-J/5 3$/ 3.%#!/5 -)"32%!3/5 [#J/8#/5 %/"9&5 /&$9&5 / ,9&/5 "5F'/7/0 =' % G+#2"3!<8/5 83 3))3/5 '$"/""%'8/ 5 2/' T' G 8$%3?/8$%9 5 "5F'2/' ' G +#3!/5 "5Fg ?0/=' /7/0 =' ,*30 ,*,60' 8.0*' 6.0' 2?7/=' ,-' 7//0-603' G 9J#3!/5 /"#/8/ E ,*' 6.0' .0G7*3/24-' 280/-' 8.2/ 03' 7/24*3' 6.0' 2?7/=J ,*' 6.0' 6/,7*3/24-' ' 2112-,60' 62' 6.0' 760/7' *0/?0-' 2'6.0' 4110/' 17 07' 7*3' ' 62' 6.0' 280/' + 4 : 0 0J ,*' 6.0' 3,7*3/24-' 6.0' 2460/',-' 87*6,*+J ,*' 6.0' : 2*7*3/24-' 6.0' 2460/' 2* =',-' 1/0-0*6J :#!/ '8$&' 571, H 7/=' /00' 2/' -2 : 06, : 0-' 52.0/,*+' 76' 6.0' ;7-0J /8$%'"& 32/-, ,G03' 50 03' ,*07/' 4-47 =' ,3' 76' 6.0' 682' 0*3-' 30.,-50*50' 760/7' 2*+,643,*7' 2/' ?0/=' /7/0 =' 71,57' ? ' /00' 50 03' 2?4 03J &$-!'&T' ?0/=' /7/0 =' (' /00' 2/' 52**760' 76' 6.0' ;7-0' -2 : 06, : 0-' 4*,603' ,*62' 7.' 4*3,?,303' -6= 0J &$#7 /&8,6.' -, : 1 0' 2/' ;/7*5.03' .7,/-' J 3(9!"' 73*760' 62' 6.0' 12-60/,2/' 17/6' 2'6.0' 2?7/=' 6./24+.246',6-' 0*+6.' 2/' ;=',6-' ;7-0J ?0/=' /7/0 =' -4-10*303' ;0 28' 6.0' 621' " ' /00' 2/' 73*760' 62' 2*0' 2/' ;26.' 2' 6.0' + 4 : 0 0-' 3/=',*30.,-50*6J .'"#2/".' 4-47 =' 6.,*' : 0 : ;/7*24-' 2/' 52/,75024-' 7*3' 73.0/,*+' 62' 6.0' -003' G2/"-3.&#& 5' /7/0 =' : 0 : ;/7*24-' 7*3' 30.,-50*6' G .3"3,3!9& 5' 4-47 =' 1/0-0*6,*+' 7' 37/9' : 7/9' 76' 6.0' 0?0' 2'6.0' ., 4 : '8.0/0' 6.0' 60-67',-' 76675.03' 62' 6.0' 10/,57/1J /!,9 '8' 7/,*75024-' 2/' ;0680 0*' 7/,*75024-' 7*3' .2/*=' ?0/=' 6.,59' " -! ' 246-,30' 2'6.0' 7 ;4 : 0*',*' 7' 1,6' 76' 6.0' ;7-0' 2',6-' 7*60/,2/' 750' J 23$-!')38' -5460 760' 2 60*' -1,6' 7 2*+',6-' 2460/' 750' 7*3' -.28,*+' 6.0' /73,5 0' 7*3' 1 4 : 4 0J .!9 9!"' 60/ : ,*7 ' 52*,57 ' 52 : 12-03' 2 ' %' 1/, : 7/=' 52*?2 460' 07?0-J "/)#2!"' ;7-, 7/' 6.,59' 2;64-0' 2 60*' 8,6.' -0?0/7' 64;0/5 0-' 8.,5.' 7/0' 10/ 2/7603' 76' +0/ : ,*76,2*' ;=' /73,57' ,;/0-' 075.' -1/,*+,*+' /2 :' 2*0' 2' 6.0-0' 64;0/5 0-' 7*3' -4//24*303' 76' 6.0,/' ;7-0' ;=' 7' - : 7 ' -.076.' G2,!'3""%#J/ 5 6.0' /0 : 7,*-' 2' 6.0' 10/ 2/7603' 12/6,2*' 2' 6.0' 0 : ;/=2

=' /050*6' 746.2/-' 6.0' 60/ :' 7!9 '',-' 7-' .0/0' 52*' 57 03' .$-' 7!9 '&J 7*3' 6.0' 280/' 2/' 2460/' + 4 : 0 0',-',*03' 62' 6.0-0' 682' 6/756-J ;=' 26.0/' 746.2/-' 6.0-0' 7/0' 57 03':!3<'"#87'7!9 ' 5 "

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1,90 06- 4-47 = +0 : ,*760 2/ ,* 6./00- 12 =+7 : 24- 6.0 : ,33 0 0/6, 0 6.0 760/7 2/ *0460/ ?0/= /7/0 = 7 0/6, 0 ,* 7 -1,5760 2/ ;/7*5.03 2/ -2 : 06, : 0- 3,+,6760 17*,5 0 : 2/0 /7/0 =,* 7 -1,5760 /750 : 0 0/6, 0 -1,90 06- 52 : 12-03 2 7 280/ 7552 : 17*,03 ;= 7 280/ S 2/ *0460/ 2*0 4 : 0- -4; 0>47 2 60* 2*+0/ 6.7* 6.0 + 280/ 2/ /7/0 = 4*0>47 6.0 280-6 7/+0-6 4 : 0 0- : 0 : ;/7*24- /7/0 = 57/6, 7+,*24-J 280/ + 4 : 0 0 2 6.0 280/ 75,*+ 6.0 4110/ + 4 : 0 67 : 0*- 6,+ : 7- 4-47 = 2*+ 1/26/43,*+ 4*30/ 2/ 76 6.0 621 2 6.0 280/ 7/=21-,- 8,6. 7 14*56, 2/ : . , 7/= -126

3/212 2 /,7*6.,,- 755.7/4/2 -5.50 : 4/7
: 10/767 /,1-754*, 2/+;4,*

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1,90 06- 7 0/6, 0 ,* 7 -1,5760 2/ ;/7*5.03 -2 : 06, : 0- 3,+,6760 17*,5 0 52 : H 12-03 2 1*0 E 280/ 7552 : 17*,03 ;= 2*0 280/ S 2/ *0460/ 280/ 280/ + 4 : 0 - : 7 0/ 6.7* 6.0 4110/ 2 60* : ,*460 2/ 7//0-603 4 : 0 0- 4-47 = 57/6, 7+,*24- -.,*,*+J 280/ + 4 : 0 0 2 6.0 E 280/ 75,*+ 6.0 4110/ + 4 : 0 67 : 0*- (6,+ : 7- 4-47 = 2*+ 1/26/43,*+ 76 2/ 4*30/ 6.0 621 2 6.0 280/ 7/=21-,- 8,6. 7 14*56, 2/ : . , 7/= -126

0, : 7/,7 $`3,- : 0*,,- 0**,-064 : 7-17 4 : 067/,7
10*,5, 7/ 7 7 : 54 : ,+,67/,7 /7+4-

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1,90 06- 7 0/6, 0 ,* 7 /750 : 0 2/ 17*,5 0 280/03 2 60* 8,6. 7//0-603 + 4 : 0- 2/ B(280/03 6.0 280/ 280/- 8,6. + 4 : 0 0 *0460/ 6.0 60/ : ,*7 2* 0/6, 0 4 : 0 0- 17/5. : 0*6 ,90 -6, 67 : 0*- 4-47 = 2 60* (B -A"3"-J/ %"%/"$/ ' '"&#/ 5 2/ % D + #2"3!$'8/ '$"/""%'8/ /7/0 = G '="&#/ 6,+ : 7- 3,?0/H +0*6 1/26/43,*+ 76 6.0 -,30- 2 6.0 280/ 7/=21-,- 8,6. 7 ,*07/ . , 7/= -126

.7/4- h,M7*,7 00/-,7
./.7/67 /=M7 *2*,25. 27

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1,90 06- : 2*505,24- 2/ 12 =+7 : 24- ,* 7 -1,5760 17*,5 0 2/ ,* -1,90- -2 : 0H 6, : 0- 8,6. T 280/- N 2/ J -2 : 06, : 0- 8,6. T (280/- 6.0 4110/ 2* = 0/6, 0 4 : 0- 4-47 = 0>47 2*+0/ 6.7* 2/ 7- 2*+ 7- 6.0 280/ 4 : 0 0- : 2/0 2/ 0--

.7/30*03 7 60/ 280/,*+J 280/ + 4 : 0 0 2 6.0 0/6, 0 280/ 75,*+ 6.0 280/ + 4 : 0 67 : 0*- (T 6,+ : 7- 4-47 = 0 2*+7603 2/ , , 2/ : 1/26/43,*+ 76 6.0 621 2/ -,30- 2 6.0 280/ 7/=21-,- 8,6. 7 ,*07/ 2/ 14*06, 2/ : -126

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1,90 06- 7 0/6, 0 -4; 5= ,*3/,5 2/ 52 : 1/0--03 ,* 17*,5 0- 52*67,*,*+ 2*0 280/ 4 : 0- -4; 0>47 2/ 4*0>47 0>47 ,*+ 2/ 2*+0/ 6.7*6.0 280/ 4 : 0 0- ;052 : ,*+ 52/,75024- 8.0*/,10 6.0 280/ 7*-80/,*+ 62 6.0 280/ + 4 : 0 2 60*52*?2 460 78*03 76 6.0 6,1J 78*-, : 1 0 2/ (,3 ?0/= /7/0 = : 46,524- 67 : 0*- (6,+ : 7- 1/26/43,*+ 760/7 = 6287/3- 6.0 ;7-0 2 6.0 -1,90 06 7/=21-,- 8,6. 7 ,*07/ ., 7/= -126 6287/3- ,6- : ,33 0 2/ *07/ ,6- 621

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1,90 06-7 0/6, 0 ,*7 ; /7*5.037 2/-1,5760717*,5 0 -2 : 06, : 0-78,6. 280/ 8,6. 2/ 8,6.246 6.0 103,50 7607 /43, : 0*6 2 7*7 4110/ 280/J -2 : 06, : 0-7 : 7*= 280/037 4 : 0-7 0>47 ,*+7 2/ 2*+0/7 6.7*7 6.0 280/-7 4 : 0 0-7 4-47 =7 -4/H /24*3037 767 6.0 ;7-07 8,6. 2*+7 .7,/-7 : 0 : ;/7*24- .0/;3 5024-7 7-7 7/07 6.0 + 4 : 0-J 6.0 280/7 78*037 2/7 : 46,524-7 7*37 75,*+76.0 280/7 + 4 : 07 67 : 0*-7 (2/7 /7/0 =7 T 6,+ : 7-7 4-47 =7 -0--, 07 2/7 -4; -0--, 07 1/26/43,*+7 /2 :76.0 -,30-72/7 6287/3-76.0 ;7-07 2 6.0 -1,90 067 7/=21-,-7 8,6.7 7714*56, 2/ :72/7 ,*07/7 ., 7/=7 -126

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1,90 06-7 0/6, 0 ,*74*, 760/77 3,+,6760721/717*,5 037-1,90-7-0--, 072*76.0,**0/7 750721 7752*6,*424-7 /75.,-7 760/7 =752 : 1/0--03J -2/*06, : 0-78,6.7 -0?0/77 280/-7 6.0 7 280-67 E76.0 4110/7/43, : 0*67/=J -2 : 06, : 0-78,6.7 7+7 280/78,6.72/78,6 ,7 2467 6.0 /43, : 0*6 2 77 -052*37 280/7 4 : 0-7 : 2/07 2/7 0--7 4*0>47 74-47 =7 -.2/60/7 6.7*76.0 280/-7 4 : 0 0-7 : 0 : ;/7*24-76.0 280/7 7*-80/,*+762 6.0 280/7 + 4 : 07 67 : 0*-7 (6,+ : 7-74-47 =70 2*+7603 70/056 71/26/43,*+7 6287/3-76.0 6217 2/7 7;2?07 6.0 : ,33 07 2 76.0 280/7 7/=21-,-7 8,6.7 7714*56, 2/ :7 ., 7/=7 -126

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1,90 06-7 0/6, 0 ,*75= ,*3/,5 + 2;2-07 -1,90-72/7 ,*7 717*,5 0J : 2/07 2/7 0--7 X 760/7 =752 : 1/0--037 8,6.7 7 2/7 -0?0/77 280/-76.0 280/7 E7+ 76.0 4110/7 4-47 =7 , : 10/ 056 7 4 : 0-7 : 2/07 2/7 0--74*0>47 7 4 : 0 0-7 : 0 : ;/7*24-72/7 -4; 52/,75024-7 6.0 280/7 8,6.7 Y (7*0/?0-72 60*71/2 2*+037 ,*627 ;/,-6 0-7 2/7 6006.7J 280/7 + 4 : 0 07 2 76.0 ;7-07 2 76.0 -1,90 067 7*-80/,*+762 6.0 280/7 + 4 : 07 67 : 0*-7 (7/7/0 =7 6,+ : 7-7 0/056 71/26/43,*+7 767 6.0 6217 2 76.0 280/7 7/=21-,-7 8,6.7 7714*56, 2/ :7 2/7 2;2*+7 ., 7/=7 -126

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1,90 06-7 0/6, 07 103,50 037 2/7 4; -0--, 07 ,*7 7 ;/7*5.037 -1/073,*+7 2/7 -1,5760717*,5 07 : 2/07 /7/0 =7 ,*7 7 C750 : 07 2/7 -1,907 : 7*= 280/037 6.0 4110/7 2/7 280/7 280/7 2 60*7 S7 2/7 /43, : 0*67/=7 4 : 0-7 7/+07 -4; 0>47 72/7 4*0>47 74-47 =7 7 : 2-6

52 : 1 060 =5 0 : ; /75,*+5 6 . 0 5 280/-5 4 : 0 0-5 : 0 : ; /7*24-5 2/5 -2 : 08 . 76 52/,75024-5 6 . 0 5 280/5 4-47 =5 78 *03J 78*5 4-47 =5 32/-7 5 +0*,54 760 7*3 5 ; 0*6 5 ; 0 28J 280/5 + 4 : 0 0 5 2 5 6 . 0 5 280/5 76 5 6 . 0 5 ; 7-0 5 2 5 6 . 0 5 -1,90 06 5 7*-80/,*+5 62 5 6 . 0 5 280/5 + 4 : 0 5 67 : 0*-5 (5 /7/0 =5 T 5 6,+ : 7-5 -0--, 0 5 2/5 -4 ; -0--, 0 5 3,?0/+0*6 5 1/26/43,*+5 /2 : 5 6 . 0 5 -,30-5 2 5 6 . 0 5 280/5 7/=21-,-5 8,6 . 5 7 5 ,*07/5 26 5 14*56, 2/ : 5 . , 7/=5 -126

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1,90 06-5 7 5 0/6, 0 5 103,50 03 5 /5 : 2/0 5 /7/0 =5 -4 ; -0--, 0 5 ,*5 7 5 ; /7*5.03 5 -1/073,*+5 2/5 -1,5760 5 17*,5 0 5 : 2/0 5 /7/0 =5 ,*5 7 5 /750 : 0 5 2/5 -1,90 5 : 7*= 280/03 5 6 . 0 5 4110/5 2/5 280/5 280/5 2 60*5 /43, : 0*67/=5 2/5 S 5 5 4 : 0-5 T 5 2 60*5 -. 2/60/5 6 . 7*5 6 . 0 5 52*6,+424-5 280/5 4 : 0 0-5 T 5 : 0 : ; /7*24-5 2/5 -2 : 08 . 76 5 52/,75024-5 6 . 0 5 280/5 78*03 5 76 5 2/5 ;0 28 5 6 . 0 5 621 5 78*5 *26 5 68,-603 5 2/5 : 46,524-J 280/5 + 4 : 0 0 5 2 5 6 . 0 5 280/5 76 5 6 . 0 5 ;7-0 5 2 5 6 . 0 5 -1,90 06 5 7*-80/,*+5 62 5 6 . 0 5 280/5 + 4 : 0 5 67 : 0*-5 (5 /7/0 =5 \ 5 6,+ : 7-5 4-47 =5 -0--, 0 5 2/5 -4 ; -0--, 0 5 3,?0/+0*6 5 1/26/43,*+5 76 5 6 . 0 5 -,30-5 7*3 5 4-47 =5 6287/3-5 6 . 0 5 ;7-0 5 2 5 6 . 0 5 280/5 7/=21-,-5 8,6 . 5 7 5 ,*07/5 2/5 14*56, 2/ : 5 . , 7/=5 -126

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1,90 06-5 7 5 0/6, 0 5 2/5 /7/0 =5 12 =+7 : 24-5 -1,5760 5 -0--, 0 5 2/5 -4 ; -0--, 0 5 2*5 6 . 0 5 *265 . 0-5 2 5 6 . 0 5 4-47 =5 87?03 5 /75 . ,-5 J Z : 7*= 280/03 5 6 . 0 5 4110/5 280/5 4-47 =5 7//0-603 5 4 : 0-5 T 5 /7/0 =5 5 ?7/,7 ; 0 5 ,*5 0*+6 . 5 4 : 0 0-5 . 0/ ; 75024-5 2/5 -4 ; 52/,75024-5 /7/0 =5 : 0 : ; /7*24-5 6 . 0 5 280/5 78*03 5 76 5 2/5 ;0 28 5 6 . 0 5 621 5 2/5 : 46,524-J 280/5 + 4 : 0 0 5 2 5 6 . 0 5 ;7-0 5 2 5 6 . 0 5 -1,90 06 5 7*-80/,*+5 62 5 6 . 0 5 280/5 + 4 : 0 5 67 : 0*-5 (5 /7/0 =5 5 6,+ : 7-5 -0--, 0 5 2/5 -4 ; -0--, 0 5 3,?0/+0*6 5 1/26/43,*+5 /2 : 5 6 . 0 5 -,30-5 7*3 5 2 60*5 6287/3-5 6 . 0 5 ;7-0 5 2 5 6 . 0 5 280/5 7/=21-,-5 8,6 . 5 7 5 ,*07/5 . , 7/=5 -126

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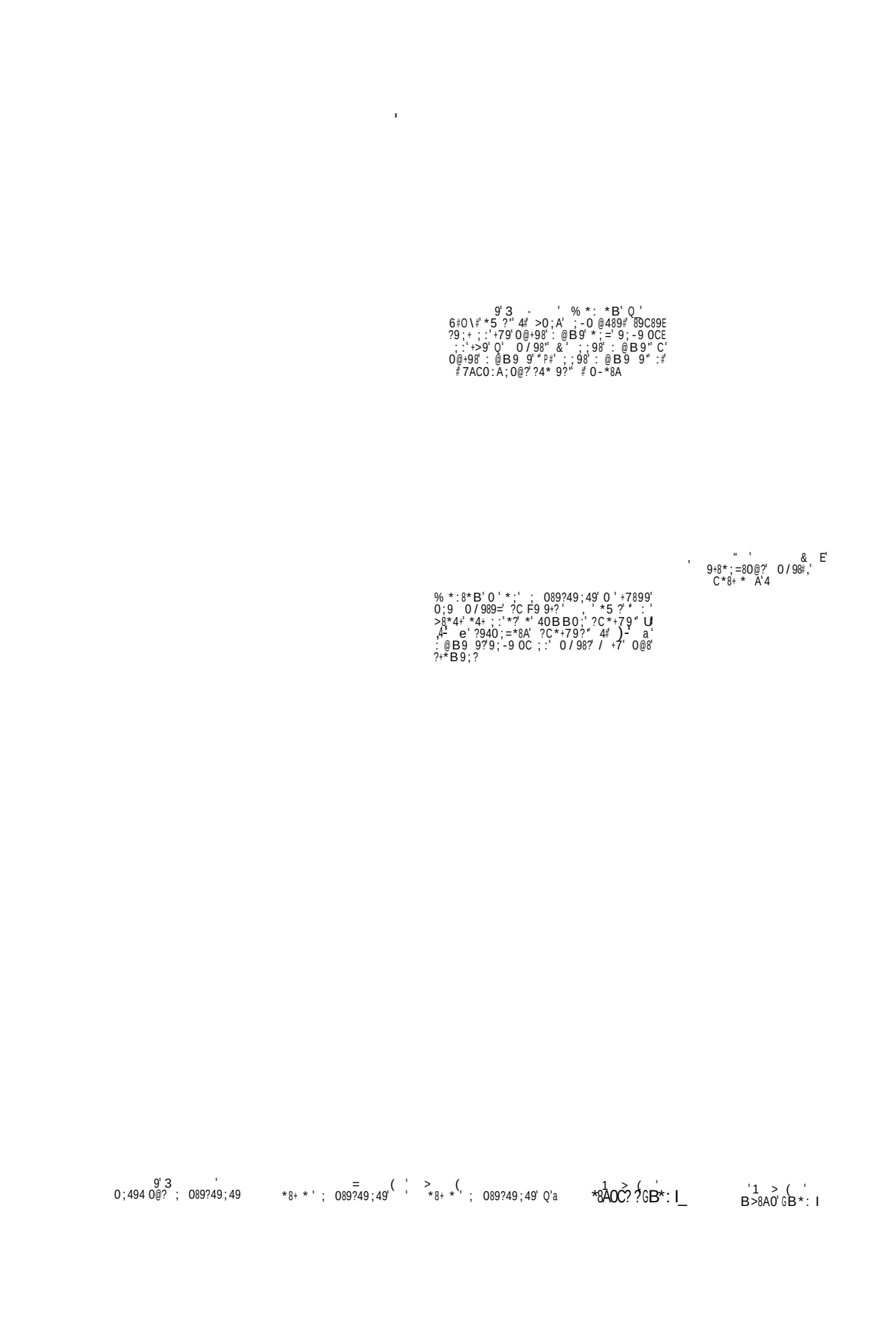

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'52*-,30/7; 0' *4 : ;0/' 2 ' "/ #8' '7/0 : 03,5,*7' .0' /.,M2 : 0 2 '6 .0 2+#- 6226 .' /7-' D "#$#' 9 "' .'8& 5 8 ..,5 .',* 0-6-' 54 6,?7603 +,24*3 : 4/21 ',-' 4-03 7-' 7*' 0 : 2 ,0*6 7*3 710/,0*6 6,-7*0J 26 .0/' 4/2H 107*' -105,0-' D '7!/929 '&" 982'9 5 7*3 -83)38 /2$-! #' 12--0-' -, : , 7/' 1/210/6,0-J 7-'7 -2' 320-' 6 .0' -83) $!#8'/"'5 2 ' *3,7' 7*3 8)"3.3738',#23"8#&5 2 ' 6/21,57 : 0/,57' "98)3 138/?,-' 7 7/+0 /[03' 2 '8 .,5 .' 6 .0' /226',-' 3,4/06,5 7*3 -432/, ,5 2/ : 0/ =' 6 .76 2 ' !</7 #$'& 23 98#S 87-' 1/0-5/,;03 7-' 7' 3014/76,?0 7*3 7*6, -=1 . , ,6,5 2)/ /7#>3&&#&',-' 52*-,30/03 3,4/06,5';=' 6 .0 /0*5.' 107-7*6- ' '"3$#& %$#>' :3!#/' .7-' 6 .0 -7 :0 /014676,2*',*' *3,7

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3/212+2-' .7?0' 7/2 : 76,5'/226-' 8 .0*50' -2 : 0' -105,0-' 7/0' 4-03',*' *3,7' 7-' -6, : 4 7*6-C' 45 .' 7/0' ' /")9&5 2/' 7 -0' 1,90*7/3J ' </"98F9&/5 /"/829"/5 7*3''#$"/$9& D 0 : 2*' /7--F' .0' 07?0-' 2 ' 6 .0' 8006' 4-.' D '!/-#7'"' 7*3' 3%/ /8$%9# 5 2 ' /,57' 7*3' /7;,7' 7/0' 1/0-5/,;03',*' 6 .0' 7-6' 2/' 6 .0,/' -6, : 4 76,*+' 7*6,-17- : 23,5' 3,71 .2/06,5' >47 ,6,0-' .0' 06,?0/' 2/' ,6, 7=/' _2/' 4- 4-e',-' 6 .0' ?0/=' -8006 -50*603',;/24-' /226' 2 ' 8)"3.3738' #2/$9&5 ,/-6', : 12/603',*62' 4/210' 7;246', 6=' 007/-' 7+2' 8 .,5 .',-' 4-03',*' *3,7' 62' 10/ 4 : 0' /22 : -' 7*3' 62' 1/0-0/?0' -64 -' 7*3' 5 26 .0-' /2 :',*-056-J 7552/3,*+' 62' C 74>40,*' ,6' 52*67,*-' 7*' 7/2 : 76,5' 1/,*5,1 0' 7*7 2+24-' 62' =, /.' 7*3' 12--0--0-' 6 .0' -6, : 4 76,*+' 1/210/6,0-' 2 ' ,6-' 52*+0*0/-' _ .0' /226-' 7/0' : 730',*62' 7*-' 7*3' 82/903',*62' - ,1-' 2 ' ;7 : ;22' 62' 2/ :' 6 .0' -5/00*-' 4-03' 62' : ,6,+760' 6 .0' .076 ,*' *3,7 5' .0' 7 : ;22' D / ,9&/' /"98)#8/2'/' 7*3' ('"$#2#!!/$/' _7*3' : 7*=' 26 .0/' -105,0-5F',-' 4-03',*' ;4, 3,*+',*' .,*7' 7*3' !717*' .0' =24*+' -.226-' 2 '6 .0-0' 682' 6/00-' 52*67,*' 7' -4+7/=' 1,6 .' 8 .,5 .' 6 .0' *3,7*-' -009' 07+0/ =J 8 .0*' 6 .0=' .7?0' 75>4,/03' : 2/0' -2 ,3,6=' 7' ,>4,3' 28-' -12*67*024- =' /2 :' 6 .0,/' *230-' 7*3',-' 52*?0/603 ;=' 6 .0' 756,2*' 2 '6 .0' -4*',*62' 3/21-' 2 '6/40' -4+7/' .0' ,*60 : 230-' 2 ' 6 .0' -60 : -' 2 60*' 52*67,*' -, ,5024-' 52*5/06,2*-' 2 ' 7*' 217 ,*0' *764/0' *7 : 03' $/, /&%''*' _7' -4 ; -67*50 1/0-0*6,*+' /0 : 7/97; 0' 216,57' 1/210/6,0-5' 0?0/7' : 0/,57*' 7*,;22-' 52*67,*' 7' ?0/=' /0-.' 3/,*97; 0' 8760/' -24+.6 ;=' *3,7*-' 7*3' 6/7?0 0/-

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C A .0-6/78 2 24/ 50/07 -;0-,30-,6-4-0 ,* 7+, ,54 64/0 ,-7 -2 4-03 ,* 6.0 :7*4 7564/0 2 .76-7*3 ;2**06-7*3 0-105,7 =2 0+.2/*.76-8.,5./,?7 6.2-0 2 7*7:7 ,* ,*0*0--7*3 .,+.1/,50 --'9 ./"$#9 _ 1.7 /7--$ 7*3 +/3"32%!3/$'8/2#&&# /_ -17/62 7/0 4-03 ,* 6.0 :7*4 7564/0 2 1710/;7-906-"5

7/,24- "/ #8'$& /5(" 2/*7:0*67 +7/30* 1 7*6- .0 /2?0*50 7*0 G "98)3 38/? A 2 246.4/210 ,-54 6,?7603 7-7*052*2:,5 7*3 :03,5,*7 1 7*6J 80 .7?0 ,*3,57603 6.0 1/210/6,0- 2 ,6- /226J ,6- 2*+-2 ,3 7*3 ,+.6 -60:-7,#0 2 ?7/,24- 4-0-J 6.0=7/0 :730 ,*62 ,-.,*+ /23- 6/0 ,- 82/9 "5 6 280/-;46 -0 32:0?0*,* ,6-*76,?0 5 ,:760 7*3 *0?0/ ,* 6.0 *2/6. 2 /7*50 8.0/0 ,6 320- *26 24/,-.J 6.,- 1054 ,7/,6=8.,5.,-.7/03;=,6- 52*+0*0/ 6.0 52:: 2* 003 ,- 1/2;7;=28,*+ 62 ,6- /71,3 1/217+76,2* ;=/.,M :0- 8.,5./0*30/- ,6- /01/23456,2* ;=-003- -410/ 424- .0 74/,67*,7* 003 D "98)3 89 "#$/8#2) 3, 0/- /2:6.0 1/0503,*+ ,* ,6- 280/ +/286. 62 $ 006F 7*3 0-105,7 =,* 280/,*+7;4*37*6=0?0*,* 6.0 5,:760 2 7/,- .0 7:17- /7--D -8'"#< /"7'8$'9 4 5 7 *76,?0 2 6.0 60:10/760 /0+,2*-2 246. :0/,57 7*3 ,*6/234503 7 08 =07/- 7+2 ,*62 4/2107* +7/30*- ,- 4*,?0/-7 =73:,/03J ,6 ,- 3,205,24-7*3 6.0 0:70 1 7*6- 7/0 3,-6,*+4,-.03;= 6.0 7/+0/ -,M0 7*3 +/0760/ -1/073 2 6.0 17*,5 0- * =682 2/6./00 105,0-2 7:;22-7/0.7/3=,* 24/ *2/6.0/*5,:760-J 6.0-0 7/0 7 *76,?0-2 0*6/7 .,*7 2/ 2 6.0 ,:7 7=7 .0=7/0 6.0 759 7:;22 D + '$/F'5 7*3 '7! #2'&''8# .0 7/+0 7:;22 D /8)#8/2') 5 7 6/00 2 246. .,*7V 7*3 *3,7 ,- 2*0 2 6.0 :2-6 2/*7:0*67 -105,0- ;46 ,6 2* =-455003- ,* 6.0 .2660-6 17/6- 2 03,60//7*07* 4/210 .0 /4*3,*7/,7-2 6.0 ,:7 7=7 7/0 6/40 7:;22-,* .7;,6 2 ,7+0 7*3 6.0 8223=52*-,-60*5=2 6.0 -60: *0 -105,0-2* = 5 :2)2/$/5 .7-;00*,*6/234503 ,*62 4/2107* +7/30*-J ,6 -67*3- 6.0 8,*60/- 7- 7/V *2/6./ 7- %(L 7*3 ,- 0?0* 54 6,?7603 8,6. -2:0 -4550--,* 6.0 80-6 2 /7*50 0/0 7*3 6.0/0 ,* 6.0 +7/30*- 2 6.0 03,60//7*07* /0+,2* 6.0 7?0**7 7*0 D /22%/"9 /('88/ ,- :06 8,6.7667,*,*+ *07/ =6.0 -6764/0 2 6.0 4+7/ 57*0J 7*3 6.0 /8#29 .!#3/$9 5 7 1 7*6 -4,67;0 2/ 6.0 2/*7:0*676,2* 2 78*-7 -2 24/,-.0- ,* 6.0 -7:0 257 ,6= .0 7*7/= /7--2/ 7/30*0/#- 7/60/-D %/!/"#& /"98)#:$/''/ _8.,5.1/23450- 7*7/= -003$1/0-0*6-7?7/,06=8,6.8.,60 -6/,103 07?0- 2 -2:0 ?7 40 7- 7* 2/*7:0*67 1 7*6 _7- 320- 6.0 52:: 2* 1/3$-!#& 7!3 '"/$/4` "#J/5 7"3&$#&5 ')9'/5 3!#98#5 7*3 ##48 7/0 1/,*5,17 =4-03 62 2/:7 78*-7*3 03+,*+-

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CO8*;: @B' %9> + ;:'?CO8*;
4 0?9='GB*: I' 6*<@'GB*: I

;=@? @B'?99;#' ;' 8O;+#'
>9: ;; ;:'+0'0C9;

4 8+0;'0 ' 8O;='GB*: I

CO8*;: @B'GB*: I

;=@? @B'0C9;9=#'?+0 / ;:'
+79'?CO8*;: *

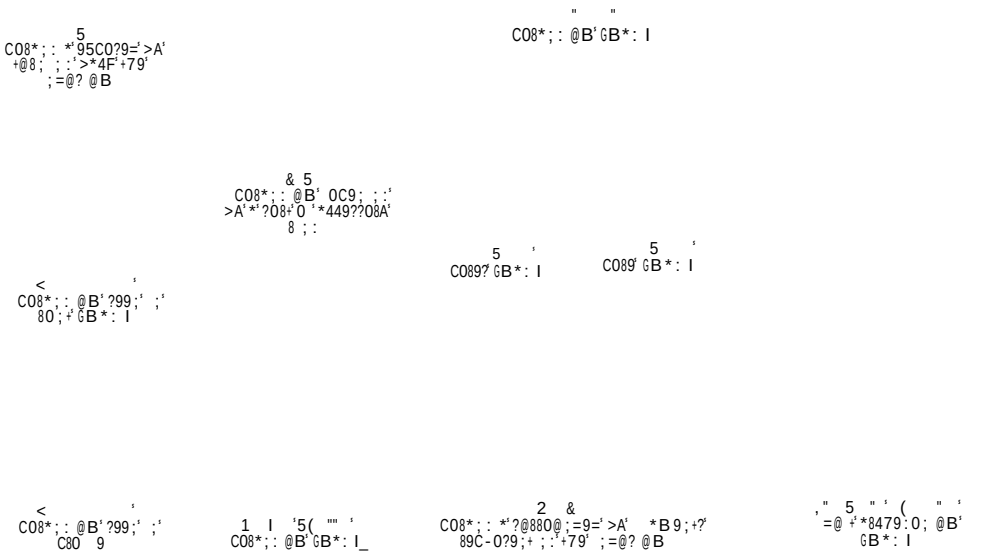
' > +& '
O8+ 0;'0 '64+ 98O@?'
8O;=

' '
O8+ 0;'0 ' 8@O 4 '
98O@?' 8O;=

8O;= ' > 5
O8+ 0;'0 ' 8O;='GB*: I

?

&Y&



2?O/' 6.O' 8.2 O' 5,/54: 0/0*50J 6.0-O' /226 ,;/0-' 7/O' ; 759,-.' + 7;/24-' 2/' ?0 ?06='
/7+, 0' 5= ,*3/,5' 4-47 =' :,*+ 03' 8,6.'/4--06' -57 =' .7,/-'8.,5.'7/O' 2 60*' 7 -2' 24*3'
2*' 6.O' 70/,7'-60: '2*' 6.O' /75.,-'7*3' 0?0*' 2*' 6.O' 1/,*5,17' *0/?0-'2' 6.O' /2*3-'
.O' /2*3-'7/O' /2 03',*62' 7' 5/2M,0/' ;2 2/O' 6.0='0G17*3',*' -45.'7' 87='6.76'6.0,/' 6,1'
2/:-'6.O' 50*6/O' 2'6.O' 5/2M,0/' 7, 3'6.76'6.0,/' 280/' -4/ 750' ,-' 246-,30' .O' 106,2 O'
` B',-'5=,*3/,5' 52:1/0--03'2/'.0G7+2*7'76'6.O';7-O'J6.O';730'4-47 ='52?0/03'
8,6.'7' -62:76,0/2*-' 01,30/:,-',-' -2:06,:0-'-,:1 O' 7*3' 0*6,/0' :2/O' /0>40*6 ='
1,*776,-056' 2/' T (1,**76,-006J 1,**4 0-' -2:06,:0-' 0G6/0:0 =',*O' `< '
8"(B' *07/ ='7 87=-' 52*6,*424-' 8,6.'6.O':,3/,;'2'6.O' -052*37/='1,**70' -2:OH
6,:0-' 5734524-' `F b' /7/0 =' :0:;/7*24-'10 45,3' 7*3' 301/,?03'2'#-62:767'
`; 5 ""(B' .O' *0/?0-'2'6.O' /2*3-'7/O' -0*30/' 7*3' 80 30,*03'-2:OH
6,:0-' -,:1 O' 7*3' -1/,*+,*+' 760/7 =' /2:'6.O' :03,7*' *0/?0'-2:06,:0-' 2/903'
7*3' 3,5.262:24-'7*3' 2 60*',*' 52*-0>40*50' 2'6.,-'3,5.262:='2/:,*+'7' *0682/9'
8,6.' :2/O' 2/' 0--' /0+4 7/' 7*3' .0G7+2*7' :0-.0-' *' -2:O' +0*0/7' 6.0=' 2,:'
6/7*-?0/-O' 7*3' /0+4 7/' 7,C5.0-' 2/' 7/+O',//0+4 7/' :0-.0-' 8.0*50' -1/,*+' -.2/6'
*0/?0-'8.,5.'60/:,*760',*'6.O' :,33 O' 2'6.0-O' 50 4 7/'-1750-' 4/6.0/'6.O' *0/?0-'
2 60*' 7*7-62:2-O',*'7/5.0-'*07/' 6.O' :03,7*' *0/?0'7*3' +,?O' 2 '2*' 6.O' 2460/' -,30'
-,:1 O' 2/' 2/903' 2/' 7*7-62:2-,*+' 7*3' /06,54 760' ?0*4 0-
.O' /2*3-'7/O' -2:06,:0-' 4/*,-.03' 8,6.' ;4 ;,-' `; ' "5 F' 2/' 7/O' /73,'
57*6' `, 5" (' I 5 ""(' 2 &S & ' "5 FJ 6.0='7/O' 2 60*' ?0/='3,--,:,7/',*'
6.O' -7:O' -105,0-' `8" (B' -2:O';0,*+' -60/,0'26.0/-' /456,0/24-

Y$$

5/2-6,5.4 : 223,7 2*5.,6,- 2625. 00*7 A 2237,7 3,7*64 :	0/-,7 = : *2+/7 : : 0 01 ,/23,4 : 05 ,*4 : ,26=2160/,- ,59-2*,7	76=50/,4 : .0, 7*6 ,0- /7 : *,,6,- =-62160/,- -1 04,4 : /=*7/,7	0 : ,2*,6,- 02 210*3/,4 : 7?7 ,7 2 =123,4 : ,;26,4 : O 22387/3,7	,1;2;2 ,,- 060/75. -1,3,4 : 6/46.,2160/,- .= : 76230-

7-6,5 /,*+ 4-47 = 2; ,>40 7*3 52 : 1 060 = -4//24*3,*+ 6.0 -12/7*+,4 : -12/7*+,4 : 2 60*52 : 1/0--03 -0--, 0 2/ -.2/6 =V 103,50 03 *26 52*6,*424- 8,6. 6.0 /,*+

0 : ,60 ,7 762*,7 -21;, 7 =76;07

7-6,5 /,*+ *07/ = 7-,* -/$%'/2' 5 ;46 6.0 -12/7*+,7 7/0 *07/ = + 2;2-0 7*3 6.0 0 7-6,5 /,*+ ,- -,647603 2* 7 1 7*0 *07/ = 10/10*3,54 7/ 62 6.0 12,*6 2 76675.H : 0*6 2 6.0 -12/7*+,4 :

= : 0*21.=, 4 : /,5.2 : 7*0- 2G-2 : 7

7-6,5 /,*+ 7/+0 2/ : 03 2 ?0/6,57 50 - *26 52 : 1 060 = -4//24*3,*+ 6.0 -12/7*+,4 : 8.,5.',- -0--, 0

0/762160/,- 7/90/,7

12/7*+,7 -2,67/= 2/ +/24103 ,* 30 ,*,60 *4 : ;0/- DT (F -0--, 0 + 2;2-0 0 7-6,5 /,*+ 10/ 056 ;46 *26 52//0-12*3,*+ 62 6.0 12,*6 2 76675. : 0*6 2 6.0 -12/ *+,4*

0,5.0*,7 0/60*-,7 76=-2 : 7

12/7*+,7 -0--, 0 2?2,3 2/ 64/;,*760 0 7-6,5 /,*+ /01 7503 ;= 7 -2/6 2 571 8,6./73,76,*+ -6/,-0 25541=,*+ 6.0 0*3 2 6.0 -12/7*+,4 : 2112-,60 62 6.0 12,*6 2 76675. : 0*6

*0,/7,7 5.,M-07 =+23,4 : 2./,7

7-6,5 /,*+ 0 : ;/75,*+ 17/6 2 6.0 5,/54 : 0/0*50 2 6.0 -12/7*+,4 : 2/ /034503 62 7 - : 7 3,-9 2 50 -8,6.6.,59 O7 -

- : 4*37 2307

12/7*+,7 /00 711/0--03 ,* /28- 2/ ,* 7 5,/5 0 3/ 52* 40*6 7*3 62+06.0/ /0-0 : ; ,*+ 7 -0/0/7 00 03 571-4 0 301/,?03 2 /,*+- 075. 210*,*+ ;= 7 - ,6 2/ 12/0

74 4--,7 *+,2160/,7 -/766,7 7*007

0/*-1/0-0*6 -45. : 7/903 5.7/7560/-6.76 ,*7 5 7--, ,576,2*-6.0= 2/ : 7 3,-6,*56 +/241 /2*+ *,7/6 /2 : 8.2 : 80 .7?0 6790* *,2-6 2 6.0 3067, - /0 76,*+ 62 6.,- , : 12/67*6 7 : , = 1 750- *07/ 6.0 : # + /"&#!'/2' 5 -23.3)#/2'2'5 M9#A'$/2'$'' 7*3 %/"M2'/ 62 2/ : .,-5 7--2 2 #!#2#8'2'' 0 .7-3,?,303 0/*- ,*62 0?0/7 ?0/= *764/7 6/,;0- 24*303 2*6.0 -6/4564/0 2 6.0 -12/7*+,7 7*3 6.0,/ : 230 2 ,*-0/6,2*

.0 *4 : 0/24- +0*0/7 2 6.,- ?7-6 7 : , = .7?0 ;00* 5 7--03 7552/3,*+ 62 6.0 7//7*+ : *0*6 2 6.0 -2/, 7*3 ,*34-,7J .46 ,6 : 4-6 .0 2;-0/?03 6.76 ,* 50/67,* 57-0- 6.0 -2/, 2 6.0 -7 : 0 -105,0- 71107/ 8,6. 7*3 8,6.246 ,*34-,4 : J 6.4- 3!-.3) "979!3 7*3 -.3F.#& $'8)!/ .7?0 ;00* -017/7603 6.24+. 6.0= 7/0 , * 756 6.0 -7 : 0 -105,0-J 6.0 -7 : 0 : 7= ;0 -7,3 2 3!-')#2%9 (2 #&$9 7*3 3!-.3)#9 /-!(/$#2$2 5 "5

U 0/*-, ,.7;,6 6.0 : 2-6 3, 0/0*6 5, : 760- /2 : 6.0 12 7/ /0+,2*- D 33)&#/ %-.'",3"'/5 $'"#&/"7'8 $'/5 "5 F 8.0/0 .280?0/ 08 -105,0- 7/0 24*3 62 6.0 6/21,5- 8.0/0 6.0= 7/0 7;4*37*6 7*3 ?7/,03 7*= +0*0/7 7/0 ,*3003 , : ,603 62 0>4762/,7 /0+,2*- 2/ 0G60*3 ;46 ,66 0 ;0=2*3 7*3 6.0*0-105,7 = , 6.0 -246.0/* .0 : ,-1.0/0 08 +0*0/7 2* 6.0 52*6/7/= 7/0 52* ,*03 62 7 -,*+ 0 52*6,*0*6 7*3 6.2-0 8.,5. 7/0 .7?0 +0*0/7 = ;46 08 -105,0- 2-6 +0*0/7 .7?0 7 ?0/= 8,30 /7*+0 7 756 *26 2* = 6/40 2 7/+0 +0*0/7 7- , : ,603 ;= 87/6M 7*3 O, 30*28 ;46 +0*0/7 = 2 6.2-0 ,*62 8.,5. 6.0= .7?0 ;00* -4;3,?,303 2 : 0 6/,;0- 7/0 0*6,/0 = 2/ 7 : 2-6 0*6,/0 = 52* ,*03 62 .26 /0+,2*-J 7- -/$%'/2'225 '"/ ,41,/*3550 7*3 = : 0*21 = 0L 2 8.,5. 6./00 -105,0- 2* = G "#2%3 /8'& "/)#2/8& 7*3 - '83.%-!!9 $98%"#)7' '' 7*3 #!/38#' +/28 ,* 4/210 ' 6.0 /00 0/*- 7*3 17/6,54 7/ = 6.2-0 2 6.0 6/,;0 2 -/$%'/2'$'5 7/0 6/21,57 2/ 0G60*3 ;46 7 ,66 0 87= ,*62 -2 : 0 ,- 7*3- -,647603 7/ /2 : 6.0 0>4762/ G !&3.%#!/ 3!'8&3#5 -/:%'/ #$%##5 2 08 h07 7*3F .0 7/;2/0-50*6 1#2%&38#2'' D!F'/8$/"2$#2/5 !/8/$/5 "5 F 0G60*3 7/6.0/- 246.',* 08 h07 7*3J 7*3 6.0 2 : 7/,77 8,6. 7* 0/056 ;46 -.2/6 -60 : 7/0 24*3 ,* 6.0 7+0 7*,5 7*3-

C .0 7 : , = 2 0/*- 52 : 1/,-0- 76 07-6 ($$$C 30-5/,;03 -105,0- D6.0 1/212/6,2* 62 .7*0/2+7 : - ;0,*+ 7- 2*0 62 6.,/6=F 2 8.,5. 7;246 E$ 62 T$$;0 2*+ 62 075. 2 6.0 60 : 10/760 M2*0- 7*3 T <$$ 62 6.0 6/21,57 /0+,2*- 2 ;26. 52*6,*0*6- 7*3 62 6.0 ,- 7*3- ,*5 4303 ,* 6.,- M2*0 *' 075. 2 6.0-0 M2*0- 6.0 *4 : ;0/ 2 0/*- ?7/,0- : 45. 7552/3,*+ 62 257 ,6= 1054 ,7/ 52 : ;,*76,2* 2 5 , : 76,5 2*3,6,2*- ,- 7 : 2-6 7 87=- 0--0*6,7 62 6.0,/ 0G,-60*50 3/= /0+,2*- 1/2345,*+ ?0/= 08 -105,0-J 37 : 1 52 7*3 -.73= 1 750- -4,6 6.0 : ;0660/ 7*3 6.0 *4 : ;0/ 2 -105,0- ,- -2 : 45. 6.0 +/0760/ 6.0 : 2/0 6.0-0 52*3,6,2*- 7/0 4 , 03 J ,*-4 7/ 5 , : 760- 7/0 6.0/0 2/0 ?0/= 7?24/7 ; 0 62 6.0 : 7*3 6.0 1/032 : ,*7*50 2 0/*- ,* -45. .7- 2*+ ;00* *26,503 O 0 9*28 ,* 756 6.76 6.0 - : 7 0/ 7*3 : 2/0 3,-67*6 /2 : 52*6,*0*6- ,- 7*3- 7/0 6.0 : 2/0 : 7/,6, : 0 ,- 6.0,/ 5 , : 760 28,*+ 62 6.0 .7 ;,647 .4 : ,3,6= 2 6.0 7,/ 7*3 ,6- 4*, 2/ : 60 : 10/7H 64/0 7*3 6.0 7/+0/ ,- 6.0 1/212/6,2* 8.,5. 0/*- ;07/ 62 .00*2+7 : ,2 1 7*6- I .0 7 : , = 2 0/*- 62+06.0/ 8,6. #:'"/5 .7- : 2/0 2--, /01/0-0*676,?0- 6.7* 7*= 26.0/

.0-0 *2 : 0/,57 0-6, : 760- *003 /0?,-,2* B "

6./24+.246’6.0’-0/,0-’2 ’+02 2+,57 ’ 2/ : 76,2*-’I: 3 #0/*-’7/0’8,6.246’324;6’2*0’2 ’6.0’ : 2-6’,*60/0-6,*+’2 ’ X2/30/-’, ’ 22903’76’ /2 :’6 ,-’12,*6’2 ’?,08 ’ *’ 756’6.,-’ 7 : , =’ -2’*4 : 0/24-’7*3’-2’8,30 =’-1/073’2?0/’6.0’ -4/ 750’2 ’6.0’+ 2 ;0’76’ 6,60’1/0-0*6’6, : 0’1/0-0*6-’,*’6.0’ : 2-6’7*5,0*6’2 ’6.2-0’-6/767’8.,5.’52*67,*’?0+0H 67 ; 0’/0 : 7,*-’-105,0-’8.,5.’71107/’7 : 2-6’,30*6,57 ’,*’ : 7*=’57-0-’8,6.’6.2-0’*28’ ,?,*+’ 6’1/032 : ,H *760-’0?0*’,*’6.2-0’7*5,0*6’-6/767’52 : 12-,*+’6.0’527 ’ 2/ : 76,2*’J 4187/3-’2 ’682’.4*3/03’-105,0-’ ;0,*+’ *28’9*28*’62’;0’-57660603’2/’6.0’ : 2-6’17,#6’6./24+.’6.0’527 ’ : 07-4/0-’2 ’ 4/210’7*3’2 ’-2 : 0’17/6-’2 ’ 2/6.’ : 0/,57#P

.0’*4 : 0/24-’-105,0-’2 ’6.0’6/,;0’2 ’ 3!-.3)#/2’$’’ 12--0--’-,:,7/’1/,*5,1 0-J 6.0,/’ /2*3’,-’ : 45,H 7+,*24-’ -,+.6 =’7-6/,*+0*6’ 7*3’ -2 : 06,: 0-’ -4; 7/2 : 76,5J’6.0’/.,M2 : 0’,-’4-47 =’ ;,660/’7-6/,*+0*6’ 7*3’-2 : 08.76’75/,3’ 2 : 0’-105,0-’52*67,*’7*’73,12-0’87G=’ : 7660/’ ,G03’7*3’?2 76,0’2, -J’26.0/-’ =,0 3’ ;=’7*7 =-,-’7’1/,*5,1 0’7*7 2+24-’62’ : 7**7’ .0’/.,M2 : 0’7*3’-60 :’2 ’7’7/+0’*4 : ;0/’7;24*3’,*’ -67/5.

.0’/.,M2 : 0’2 ’6.0’ 7 0’0/*’B ’.%"3)#<8’ #!#?> /&5’8.,5.’+/28-’,*’6.0’2/0-6-’2 ’ 0*6/7’7*3’ 246.’ 4/210’,-’ : 45.’4-03’7-’7*’7*6.0 :,*6.,5’ .0’?7/,24-’ 4/2107*’ -105,0-’2 ’ 8.#)#9 ’ .7?0’6.0’ -7 : 0’1/210/6=’;46’,*’7’ 0-’30+/00 0?0/7’ : 0/,57*’7*3’6/21,57’ -,76,5’ -105,0-’2 ’ &.!’8#9 5’ 3!->’ .3)#9 5’1#.%##< 5’ "5 ’7/0’4-03’,*’6.0’-7 : 0’87=’7-’24/’ 7 0’0/*’ .0’/.,M2 : 0’2 ’ 3!-.3)#9 ’ /!/>’ 79/!/’,-’ : 45.’?7 403’,*’ 0/4’7-’7*’7-6/,*+0*6’7*3’3,71.2/06,5’ /2 :’6.0’ 7,30*.7,/’D)#/8#$# ’ /.#!!9&>’6’8’"#& 5’8.,5.’+/28-’,*’6.0’-246.’3’ 4/210’7’ ;05.,5’-=/41’,-’1/017/03’J &.!’8#9 ’ "#2%3>’ /8’&5)#/8$9 >A##7"- 5’+9$/> "/"#/5 /2 :’ 2/6.’ 4/210’12--0--’7*7 2+24-’1/210/6,0-’7-’32’6.0’ 7*73,7*’ 7,30*.7,/’D)#98$9 ’.&)/$9 ’7*3’26.0/’0G26,5’52*+0*0/-’ 23!3.’8)"#9 ’3::#2#8/!’5’ ’ #38#$#&’ 7*3’ ’$’"/2!# 3::#2#:#/"9 5’7 ’ 4/2107*’1 7*6-’7/0’0 : 1 2=03’7-’7-6/,*+0*6-’7*3’ : 45, 7+0-

.0’.0/;7+0’2 ’ &A)#9 ’:"/7"/8&5’8.,5.’ .7-’6.0’-50*6’2 ’/7-1;0//,0-’,-’ : 45.’0-600 : 03’,*’6.0’ 2/6.’2 ’ -,7’7-’7*’7*6,-52/;46,5’7*3’6.0’ 2*+2-’4-0’,6’7-’607 ’ .0’/.,M2 : 0’2 ’ &.#)#9 ’ /"3 ’J5’ 52 : :2*=’*7 : 03’ 5=6.,7*’ 7 : ;’,-’5 26.03’8,6.’+2 30*’=0 28’.7,/-’8.0*50’10/.71-’87-’2;67,*03’6.0’ 7 : 24-’%-&&9&2 ’6.0’7*5,0*6-’8,6.’8.,5.’6.0=’ : 7*4 7564/03’-64 -’8.,5.’ 065.03’7*’0G6/72/3,*7/=’1/,50J ,6-’/03’7*3’?,-524-’4,50’,-’7*’0-600 : 03’7-6/,*+0*6’,*’ .,*7’ .0’.7,/-’8.,5.’5 26.0’6.0’-60 :’2 ’-2 : 0’ 2 =123,4 : -’7/0’/0*28*03’,*’6.0’ *6, 0-’7-’7’-6=16,5’7*3’ *+,-.’32562/-’4-0’6.0 :’7-’ .-0 : 2-676,0-’7-’ 80 ’7-’6.0’.7,/-’2 ’-0?0/7’ =76.07-’/2 :’6.0’ 2 4557-’8.,5.’.7?0’;00*’2 ’ 760’=07/-’1/0-5/,;03’4*30/’ 6.0’*7 : 0’2 ’ ’$$/(/’’ 6/ %#’ _ .2-0’2 ’-0?0/7’ 2 =*0-,7*’-105,0-’2 ’ /00 0/*’D #,3##9 ’7/0’0G60*-,?0 =’ , : 12/603’,*62’ 4-6/7 ,7’7*3’4-03’62’-64 ’1, 28-’"5 $

.0’=24*+’ : 45, 7+,*24-’-.226-’2 ’-0?0/7’ 0/*-’7/0’0760*’7-’7’-7 73’0-105,7 =’,*’ 2/6.’ 4/210’ ’"/$3.$’"#&’$%/!#2$"3#)’&’,7,*’6/21,57’ -,7’ 2*-,30/03’7’126 .0/;’ .0’/.,M2 : 0’2 ’ #’"’"#&’ ’&29!’8$/5’7’ 08’ h07 7*3’-105,0-’?0/=’*07/’24/’ 2 : : 2*’ 0/*’-0/?0-’7-’ 223’62’6.0’*76,?0-’7-’32’6.0’64;0/-’2 ’ ’. #"3)#9 ’ ’&2#)’8$9 ’,*’ 017 ’ -/$%’/’ ’)9!!/"#&5 2 ’ 08’h07 7*3’52*67,*-’,*’6.0’ 280/’17/6’2 ’,6-’-60 :’7’/033,-.’ + 46,*24-’1,6.’O.,5.’8.0*’;7903’75>4,/0-’6.0’67-60’2 ’6.0’/73,-.’7*3’,-’ : 45.’ ,903’;=’6.0’*76,?0-’ .0’-60 :’2 ’ !’#3%’8#/’ $’" /88#,-’-67/5.=’-2 : 08.76’;,660/’-4; 7/2 : 76,5’7*3’03,; 0

8’# #/’ $3 ’8$3&/5’8,6.’6.0’2324/’2 ’ :=//.’+3!#"#/’$! "#:"87/5’2 ’6.0’ 710’8.,5.’-:0 -’2 ’ ;0*M2,*’7-’80 ’7-’ -73)#9 ’ #3"3.%-!!<8’7*3’2#"2#8/$9 5’.7?0’,*5,-,?0’7*3’ ;05.,5’1/210/6,0-

+/"/$$#’W+’,*.7;,6’ : 0/,57’ -,7’7*3’ 2=*0-,7’;46’7/0’*26’*4 : 0/24-J 6.0=’7/0’?0/=’/7/0’,*’-246.’ 60 : 10/760’76,6430-’ 2 : 0’-105,0-’7/0’7/;2/0-50*6’ .0’;/4,-03’ /2*3-’Â2’ 87#3.$’"#&’(’2$/5’7’-105,0-’ -1/073’2?0/’6.0’ 75, ,5’ *7*3-’52 : :4*,5760’7*’7+/007;0’-50*6’62’ 52527 *46’2, J ,6-’=24*+’-.226-’7/0’ 03,; 0

’ A5’ "

.%#37%&&’<’ 7/0’-017/7603’ /2 :’6/40’ 0/*-’;=’6.0’ *764/0’2 ’6.0,/’/.,M2 : 0’7*3’ 6.0’30?0 21 : 0*6’7*3’60G64/0’2 ’6.0,/’ /2*3-’8.,5.’7/0’ *26’ #2 03’,*62’7’5/2M,0/’,*’ ?0/*76,2*’7*3’;=’6.0,/’-12/7*+,7’;0,*+’7//7*+03’,*’7’2*+,643,*7’ -0/,0-’2*’7’-2/6

I 3’ /2*+*,7/6’: ’(’ "’&;/ ’ ("

L3.' -5710 ' 76 6 . 0 0*3 2 ' 8 . ,5 . ' 6 . 0=' 2/ : ' 7 -, : 1 0 -1,90 G .%#37!3&&<$8 5 2/ ' 7 /750 : 0
D 3$"-2 + 9 ' .0-[' -12/7*+,7 . 7?0 *2 /,*+ ' 7*3 52*67,*' - : 226 . ' 6/,7*+4 7/ -12/0- '
8 . ,5 . ' 7 =' .%#37!3&&' ' ' 62
-23 . 3)#/2'2'5 6 . /24+ . ' 6 . 0
+0*4-' %-!!37!3&&9 5

7

26/=5 . ,4 : ' 1 . ,2+ 2 -4 :
0 : ,*6 . 2-675 . =7

2-6 .%#3::!3&&'2" 7/0 0G26,5 '
*07/ =' 7 ' 7/0 60//0-6/,7 ' 0G5016 '
. '8)9!9 5 8 . ,5 ,' ,?0-' 2*' 6/00-' ,90
-2 : 0 =52123-J -2 : 0 ,* . 7 ; ,6 6 . 0
7-57/0*0 - 7*3-' 7*3 0G6/7 6/21,57 '
4-6/7 ,7J 6 . 0='7/0 /7/0/ ,*' 6 . 0 O 0-6
*3,0-' 7*3 ,*' : 0/,57 ; 06800*' 6 . 0
6/21,5 2 ' 7*50/ 7*3 6 . 0 0>4762/J
6 . 0 *4 : ; 0/ 2 ' 4/2107*' -105,0-' ,-'
0?0*' 080/J 2*0 2 ' 6 . 0-0 7 -2
,* . 7 ; ,6-' 2/6 . ' : 0/,57 ' 7*26 . 0/
6 . 0 *2/6 . ' 2 ' -,7 ' *0 2/ 682
-105,0-' 7/0 : 2/0 /0>40*6 76 6 . 0
710 ' 2*0 . 7?0 ; 00*' 2 ; -0/?03 ,*'
2/6 . ' /,57
' 7/0 : ,0, ' ,+C,*24-' 7*3 6
305256,2*' 2 '6 . 0 : ' ,-' 7 , : 0*67/=' '
(9$7/!9 ' 87-' 2/ : 0/ =' 0-600 : 03 7-'
7 ?4 *0/7/=J ,6 ,-' -6, ' 4 603 7-' 7*'
7-6/,*+0*6 ,*' 7*+,*7 ' ! #8$%3>'
&$/2%-&)9!2#&5 /2 : ' 6 . 0 2 4557-' ,-'
-4554 0*6 7*3 7G76,?0J ,6-' =24*+'
-. 226-' 7/0 03,; 0 ' . 0 . 0/ ; 7+0 2 '
3$"-2 + 9 ' +2($/"#9 #& 7 /014603'
7 0G,1 . 7/ : ,5 ,*' 6 ' 2 : ,*+2

2 ,* - '+&/ , & (

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D ,,,,24 '7'89&5 B ' 4 #!!)'83< B 2 4 3:: /88

'"'88#/!' 23$-!')38&5 #8%/%#$#87 3#&$.!/2'&45 "%#J3 '' &9,$'""/8'/8 ' - '
&$"/#7%$5 2-!#8)"#25 2%/88'!!')5 &$#::5 &# .!'' 3"" ,"/82%')5 3#8$')5 #&$9!/"J 3#8$&' /223 K
. /8#')' ,-' &%'/$%&')'8$#2$)/$'' /$' $%'' $3 . 5 :"3 ' $%'' ,/&'' 3 :' <%#2%' &."#87 ,"/82%'&5 <%#2%'
/"'' <%3"!')5 /8)' "'&' ,!'' $%'' &$' &' " ' / ' #8' 2/$F#8&' :3" ')' 3 :'
9 '"39&' <%3"!')5 . '!$/$'' . 3!-738/!'&2/!'&5 /""/87')' . '". '8)#29!/"!-' $3' $%'' /?#&5 , '/"#87'
A@38' $%'#"" !3<'"" :/2'' E < Y' &/2&' D-12/7*+,7F' <%#2%' 3 . '8' !3878#$9)#8/!!-' $3' ' #$' :"''

Y$%

7!3,3&'& 33$%'&.3"'&5 /223 ./8#')',-T&./$! !/$'':#!/ '8$&D0 760/-FJ &.3"'&'#85 7'" #K
8/$#38':3" #87 /'."3$%/!!9&5 !#F'' $%/$ 3:' '"8&5 38'<%#2%' /"'')'('!3.')' /8$%'"#)#/'
238$/#8#87 /8$%'"3J3#)&' 3"' /"2%'738#/5
#8$3'<%#2%'$%'' /8$%'"3J3#)&' '8$'"':3"'$%''
.9".3&'' 3:':'"$#!#J/$#38

JW(' (C9'?CO89'*;='9 *+98?

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CO89'?@88O@;=9='>A'+?'9 *+98?

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@8; ?79=' / +7
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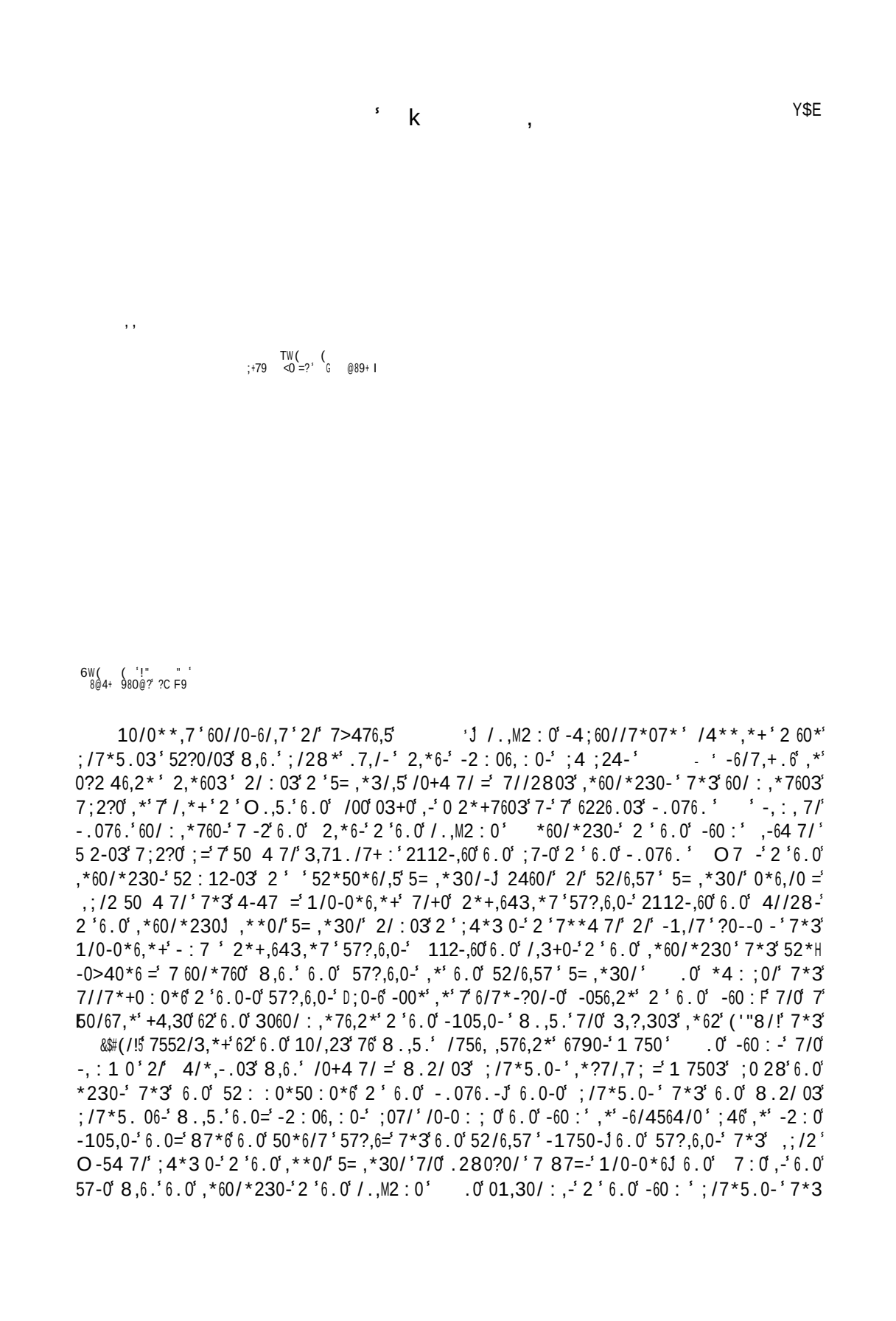


Y$< ' k

-.076.-',-' 4/*,-.03' 8,6.'-62:767'2'8.,5.'6.0'12-,6,2*',-'7 87=-',:,603'62'6.2-0'17/6-'8.,5.'52?0/'7'17/0*5.=:7',03'8,6.'5.2/21.='.0'-,5024-'7=0/'8.,5.'52?0/-'6.0'01,30/:,-',-'22903'412*';='4?7!2*?0'7-'7'-05/06,2*'/2:'6.76'17/6'2'6.0'50-'8.,5.',-',*'52,,6756'8,6.'6.0'7,/'7*3'*26'7-'0*60/,*+',*62'6.0'52:12H-,6,2*'2'6.0,/':0:;/7*0-'7-'-0?0/7'746.2/-':7,*67,*

" #J ,*'-1,90-'2/'52*,57'5769,*-'0,6.0/'-0-6,?7'7*3'60/:,*7'2/'?0647'7*3'-1/,*+,*+'3,/056='/2:'6.0'/.,M2:0' 1 '2/:03'2'-0?0/7'8.2/-'2'.2/,M2*67'103,50-'?0/6,57 ='3, 7603'76'6.0,/' /00'0*3',*62'7'10 6760';23='D2!-.'3!/ 5';07/,*+'2*',6-',**0/' 050'< Y'-12/7*+,7'8.2/03'7/24*3'6.0'103,50'7*3'17/7 0'62',6' / 4'76'6.0'10/,23'2'6.0'0:,--,2*'2'6.0'-12/0-'30.,-5,*+'2*+,643,*7 ='2*'6.0'-,30' 75,*+'6.0'103,50

' ?0/='*4:0/24-' /00'4*,2/:'-1.0/,57'7*3';07/,*+'682' ,,2/:'71H10*37+0-'G'!/$'"&'3, 7603'76'075.'0*3',*62'7' 7660*03'?0/='.=+/2-521,5'7*3'-1,/7 ='52,03'-176.4 7'8.,5.'4*52,-'4*30/':2,-64/0' 0 2/0' 0G17*-,2*' 6.0' 0 760/-'2/:'7552/3,*+'62' '4?7!24?0'7'.2 28'-1.0/0'7/24*3'6.0'-12/0'6.0,/'52::2*'12,*6'2'76675.:0*6';0,*+'2*'6.0'0>4762/'7*3'6.0,/'-176.4 760'0*3-'2*'6.0'12 0-'2'6.'-12/0-'.0'-12/0-'+0/:,*760'7-',*' 0/*-'30?0 21,*+'7*',//0+4 7/='2;4 760'3,205,24-'2/':2*205,24-'1/26.7 4-'8.,5.';07/-'7*6.0/,3,7'76'6.0'0*3'2',6-'2;0-'7*3'7/5.0+2*,7'2*'6.0' 110/'-4/ 750'2'6.0' 0-.='6,--40'2',6-';7-0

.0' 2 '71107/'7-'2?2,3'-80 ,*+-'52:12-03'2'7/+0'50 -'0*?0 21,*+'7'50*6,#7'+/241'2'1/,-:76,5'50 -'8.,5.'-22*':4 6,1 ='*,62'7'*4:;0/'2'50 4 0-'075.'52*67,*,*+'7' 7660*03'0 ,1-2,3'+2;4 0' 22*'7 60/'6.0'87 -'2'6.0-0'50 4 0-'3,-H71107/'7*3'6.0'+2;4 0-'D6.0' 464/0'7*6.0/2M2,3-F';052:0',-2 7603' 60/'-2:0'37=-'6.0/0' 71107/-' 8,6.,*' 6.0' +2;4 0-' 7' 52 24/ 0--' ,:10/ 056' /,*+' 8,6.'4*0>47 ='-82 0*'0*3-' ,G03'7+7,*-6'6.0'5,/54: 0/0*50'2'6.0'3,-9'2'8.,5.',6'25541,0-'6./00'24/6.-'6.0' /0:7,*,*+'-1750' ;0,*+' 25541,03' ;='7' :45, 7+,*24-' :7--' 22*'6.0'60/:,*7'52 -'2'6.0' 7*6.0/,3,7' -017/760' 76'6.0' 621'-1/073'246'-2'7-'62' 2/:'7'5/28*'7*3'07?0'7'17--7+0' 2/'6.0'+2;4 0-'X6.0-0'7/0'*2' -22*0/'-06'76',;0/6='6.7*'6.0='7/0' -00*'62'>4,?0/'7*3'2-5, 760' ,90'7'10*34 4:' .0-0'2-5, 76,2*-'52*6,*40'2/'7' 08'-052*3-'2*='7 60/'8.,5.'6.0'7*6.0/2M2,3-'7/0' 24*3'62'.7?0' /01 7503'6.0'+2;4 0-'*26'6.0'-:7 0-6'6/750'2'6.0' 7660/'/0:7,*,*+' ' 4?7!24?0'8.2'.7-'14;,-.03'7'?0/=';0746, 4'7*3'52:1 060' :2*2+/71.'2'6.,-' 7:,='6.,*9-'6.76'6.0'+2;4 0',-'7;-2/;03'-,:4 67*024-='8,6.'6.0' 2/:76,2*'2'6.0'7*6.0/2M2,3' .0'7*6.0/2M2,3-'2' 79#&'$/''/'7/0' 2/:03',90'6.2-0'2' 0/*-'7*3'.7?0'6.0'-7:0'754 6='2'6/7*-76,2*

.0' !/ '7/0'24*3'*07/'6.0'2;03';/7*5.0-'2'6.0'1/26.7 4-J 6.0-0';/7*5.0-'7/0'*07/='7 87=-'301/,?03'2'7*6.0/,3,7'76'6.0,/'0G6/0:,6=J 6.0,/'280/'17/6',-'6.,590/'7*3'52:12-03'2'50 -'-:7 0/'6.7*'6.2-0'2'6.0'7*6.0/,3,0/24-';/7*5.0-' .,-' 0-.# /0+,2*';07/-'-0?0/7'-:7';/,+.6'/03'50 4 7/'54-.,2* ,90'2/+7*-'8,6.'7'+2;2-0';7-0'G('8$"#2!''5'7*3'7'2*+'*059'60/:,*7603';='7'%2;03';0' :246.'J 6.0'?0*6/,5 0',-',:0/-03',*'6.0'-:7 50 03'6,--40'7*3',-'*07/='03';='7':2/0'2/'0--'-1.0/,57'50 '/2:'8.,5.'7 60/'0/6,,M76,2*'6.0'*08'1 7*6'8,'-67/6'6',-',*62'6.0'57?,6='2'6.0-0',66 0'54-.,2*-'6.76'6.0'7*6.0/2M2,3-'7/0'-7,3'62'10*OH6/760'62'O 056' O/6,,M76,2*

4 : 0/24-' 2 ; -0/?76,2*-' . 7?0' - . 28 *' 6 . 76 ' , *' : 2-6' 57-0-' >4,-064 : -' 7/0' 3,205,24-J 6 . 0' 1/26 ; 7 6,-' 4 : , - ; 03' 8 ,6 . ' *4 : 0/24-' 7*3' O0 30?0 2103' 7/5 ; 0+2*,7' /7/0 =' ; 07/-' 7*6 . 0/,3,7J 7*3' , ' 7' 08' 7/5 ; 0+2*,7' 2554/' 76' 6 ; 0' ; 77 ' 2 ' 6 ; 0' 7*6 ; 0/,3, 0/24-' 1/2 ' 6 ; 7 4- ' 6 ; 0=' 7/0' *07/ =' 7 87=-' -60/, 0 ' ; ,-' 60*30*5=' 62' ; 052 : 0' 3,205,24-' ,-' *26' 7*' 2 ; -675 0' 62' /01/23456,2*J' 2/' 6 ; 0' 1/2G, : ,6=' 2/' 2?0/ 711,*+' 2 ' 6 ; 0' 1/26 ; 7 , ' 2 ' 3, 0/0*6' -0G0- ' /0-4 6,*+' /2 : ' 6 ; 0' 0*67*+ 0 : 0*6' 2 ' 6 ; 0' -12/0-' ; =' 6 ; 0, /' 0 760/-' 7?24/-' 0/6, ,M76,2* ' 8 ,*+' 62' 6 ; , -' 1/2G, : ,6=' 7' 3/21' 2 ' /7,*' 2/' 3 ,8' 0*7 ; 0-' 6 ; 0' 7*6 ; 0/2M ,3-' ; =' 7' -8 , : : ,*+' : 2?0 : 0*6' 62' =075 ; ' 6 ; 0' 2/, ,50' 2 / 6 . 0C7/5 . 0+2*,4 : ' 8 . ,5 ; ' 6 . 0=' 7/0' 62' 0/6, ,M0

'

>4,-064 :

M9#&'$/2'W ' 711/275 . ' 0/*7' ,*' 6 . 0' -6/4564/0' 2 '6 . 0, /' 7*6 . 0/,3,7' 7*3' 7/5 ; 0+2*,7 ' 7N 8 0 ' 7-' ,*' 6 . 0, /' : 230' 2 ' +0/ : ,*76,2*J ; 46' 7-' /0+7/3-' . 7 ; ,6 ' 6 . 0=' . 7?0' *2' 7 ,*,6=' 8 ,6 . ' 7*=' 7 : , =' * 0-' ,6' : 7=' ; 0' 8 ,6 . ' /&9/"#8'$&5 8 ,6 . ' 8 . ,5 . ' 8 0' . 7?0' 52 : 17/03' 6 . 0 : ' 2/' /!/ #$'&5 O . ,5 . ' /0-0 : ; 0' +,+7*6,5' 1/-067, '

. 0' M$##&'$/2'$& *28' ,?,*+' 7/0' ,*' +0*0/7 ' 2 ' - : 7 ' -6764/0' 7*3' *26' *4 : 0/24-J 6 . 0' 7/+0-6' . 7?0' ;00*' : 06' 8 ,6 . ' *07/' 7/7557-' ; =' ' /*-6J 6 . 0-0' 7667,*' 7 ; 246' ' 006' ,*' . 0, +. 6

2/-067, -' 1/,*5,1 3 =' , * . 7 ; , 6' 60 : 10/760' /0+,2*-J 6 . 0=' 305/07-0' 6287/3-' 6 . 0' 12 0 ' 7*3' 7/0' /7/0' ,*' 6 . 0' 6/21,5-' 7*3' 7/0' 7 ; -0*6' 6 . /24+. 246' *07/ =' 6 . 0' 8 . 2 0' 2 ' 6 . 0' -246 . 0/*' . 0 : ,-1 . 0/0 ' ' /0 : 7/97 ; 0' -105,0-' G ' "/ 3&#&& 9 4' ,-' 24*3' ,*' +0/,7 '2 ' O . ,5 . ' 6 . 0' ; /7*5 . 0-' -1/073' 2/' 52*-,30/7 ; 0' 3,-67*50-' ?0/' . 03+0-' 2/' ; 4- . 0-

. 0' -60 : -' 2 ' -0?0/7 ' -105,0- ' ; 0,*+' 0*5/4-603' 8 ,6 . ' -, ,57 ' 7/0' 4-03' ,*' 6 . 0' 7/6-' 62' 12 ,- . ' 8223' 7*3' f 0?0*' : 067 -' _7*3' 57 03' 465 . ' /003-S ' . 0' / . ,M2 : 0-' 2 ' -2 : 0' 7/0' -67/5 . = ' ' >('8 '5 :!9(#/$#!'5 !# 3&9 5 7*3' %-' 9%' 80/0' 2/ : 0/ =' 4-03' ,*' *03,5,*0' 7-' 7-6/,*+0*6-' 7*3' 3,4/06,5-

' + 9 5' " 5' "3878

23$-%)38 &' /:&%' ! 4' <#$%' /' 2"' ' . #87' "%#J3 ' ' 0 ' "3!!')' #8$3' /' 2"3J#' '" #8' (' '"8/$#38 ' 0 3 ' "%#J32/". #/85' '82!3&')' #8' H>&' (' '"/!>2'!!')' H>\&>(/!(')' &. 3"32/". &' $ ' /8)' / ' '82!3&')' #8' $%' &/ '" &. 3"32/". 5' %9$' 3229 . -#87' &' . /"/$' '2' !!&5' &' &&#!' '3'" &(, >&' &&#!' '38' /' &<, >7' !/ :#839&' A!3@2' 8$/ ' . 3"/87#/' ' #$$#87' /' &#87!' '" &. 3"' 5:"3 ' <%#2%' &. "#87&' /' . "3$%/!!9&' 4A' /"#87' /' &#87!' '" /"2%' 73 9

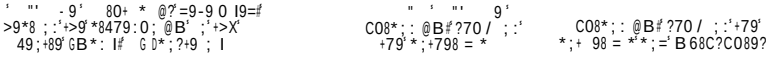
0/0**,7 ' 4' , * ; 7 ; , 6 : +' -87 : 1-' 2/' , *4*37603' 1 750-' " * - ' , , 2/ : ' 5/001, *+' 7*3' /226, *+J 7G, -' 52 : 12-03' 2 ' /7=03' 7*3' 7**4 7/' ?0--0 - ' 7*3' 0 2*+7603' 50 - ' 0 ' /73,57 ' 01,30/ : , -' 4/*, -; 03' 8 , 6 ; ' -62 : 767 ' 6 ; 0' 0G6/0 : , 6=' /2 03' , *62' 7' 5/2M, 0/' ; 0 2/0' 0G17*-, 2*E /75 ; , -' *7903' D #$!9!/"#) 5' 2/' 60/ : , *7603' ; =' T' 17, /-' 2 ' 07 06-' 1 7503' 5/2--8, -0 ' 3 ' 4*0760' 0*6, /0' 2/' 2 ; 03 ' 6/7?0/-03' ; =' 7*H -. 7103' 3,5. 262 : 24-' *0/?0-' 7*3' 1/0-0*6, *+' 7-' , *' ?/!#&5' 6 . 0' 1 . 0*2 : 0*2*' 2 ' - 001' G + /"&#!' /

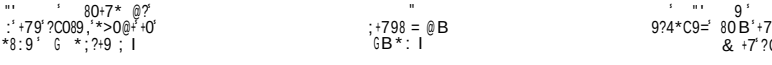
0 3 ' 2 '6 8 2' -2/6- '0*5 2-03' , *' 571-4 7/' /0501675 0-' G&. 3"32/". & 5' -2 , 67/= ' 7G, 7/= ' -, 647603' *07/' 6 . 0' / . , M2 : 0 ' 2/' +0 : , *760 ' 2/' , *-0/603' *07/' 6 ; 0' ; 7-0' 2/' 7 2*+' 6 ; 0' /2*3-' + 2 ; 2-0' 2/' /0*, 2/ : ' + 7 ; /24-' 2/' ?0 ?06=' ' T % ?7 ?03 ' 0 : , 66, *+' 0, 6 . 0/C7' : 45, 7+, *24-' : 7--' 8 . , 5 ; ' 52*67, *-' : , 5/2 ' 7*3' : 75/2 -12/0-' : , G03' G #!9!/"#/ 5' 2/' 7' /74524-' 5= , *30/' ; 07/, *+' 76' , *60/?7 -' 2 ; 2*+' -12/7*+, 7' 8 . , 5 ; ' 075 .

Y$&

8 "(" ' CO8O4*8C'
9B ++ ; :'+79' B@4 *: ;0@?'
B*??' *=9 ;' / +7' B*480 ,' * ; ='
B 480 ' ?CO89?'

8 "(" 8 "(" 8 (" 8 (" 8 (





52*67,* ; 46 2* 2112-,60 -,30- : ,5/2 7*3 : 7 /2 -12/0- B + /"&#!' / ,,2P - / , D33.%3"#)#/ 7*3 - "%( ) / G/8$%'"#)#/ 6g/ : 03 2/,+,*7 = 2 50 - 52* 7,*, ,+ 7 50 4 7/ : 7-- 8 .,5. 7 60/87/3- 3,?,30- ,*62 +/7*6307 7++ 2 : 0/7603 ,* 24/- .0 7*6.0/,3,7 +,?0 ; ,/6. 62 /7+, 0 ?0/ : , 2/ : : 7*= .7,/03 7*6.0/2M2,3- -, : , 7/ 62 6.2-0 2 0/*- *' 6.0 : 75/2 -12/7*+,7 7 6.0 50 - 7/0 7 ; -2/ ; 03 8,6. 6.0,/ %' 52*67,*03 +/7*4 0- 0G5016 2*0 ,* 8 .,5. 2*0 2 6.0 \ +/7*4 0- ,- 4/6.0/ 30?0 2103 ,*62 7 -12/0J 6 .,- -12/0 0*?0 2103 ,* 7 : 4524- 7=0/ /71,3 = 0 : ,6- 7 1/26.7 4- 8 .,5. ; 07/- 76 ,6- 50*6/0 7 7/+0 50 -4/ : 24*603 ; = 7 .2 28 171 7 2/ : 03 2 \ /28- 2 -410/, : 12-03 50 -J 6 .,- ,- 6.0 7/5.0+2*,4 : 2* 8 .,5. 6.0 7*6.0/2M2,3- 756 62 1/2 3450 0/6, ,M76,2*

7/-, 07 , 4 7/,7J

4 + /"$#%/2' /0-0 : ; 0 0/*- ,* 6.0,/ 52, 03 /2*3- ; 46 6.0 -6/4564/0 2 6.0,/ -12/0- 2/ /01/23456,?0 2/+7*- ; /,*+- 6.0 : *07/0/ 62 -23.3)#/3'/

.,- 7 : , = ,* .7 ;,6- 6.0 60 : 10/760 7*3 .26 /012/6- 2 ; 26. 82/ 3- 7*3 2 08' 2 7*3 6 52*67,*- .46 08' -105,0- 2 8 .,5. .280?0/ 2*0 G + /!(/$"#? .7- 2 760 75>4,/03 50 0 ; /,6= /2 : .7?,*+ ; 00* 6.0 : 07*- 2 -7?,*+ 6.0 ,?0- 2 7 17/6= 2 ,*6/01,3 0G1 2/,*+ *764/7 ,-6- 8.2 2-6 ,* 6.0 , : : 0*-0 30-0/6- 2 4-6/7 ,7 .73 *2 26.0/ 223 ; 46 ,6- -12/7*+,7 _ .0-0 7 60/ 6.0 3/=,*+ 41 2 6.0 122 - ,* 8 .,5. 6.0 + /"&#!'/ +/28- 7/0 24*3 ,* ?7-6 7 ; 4*37*50 2* 6.0 -4/ 750 2 6.0 -2, 7*3 52*67,* 7 50/67,* 1/212/6,2* 2 -67/5. 7*3 1/2 ; 7 ; = 26.0/ *46/,6,24- : 7660/- S

Y $ ‘

a‘ ‘6 A5‘ /"$!#87

23$-!')3839&‘ /M9/$#2‘ ‘ 0 ! ‘ <#$%‘ ')7'&‘"' !'?')‘ #8‘ ('"8/$#38‘ 0 (‘
, , ‘ "%#J 2/".#/85‘ '82!3&')‘ #8‘)#&$#82$‘ Y>'' !!')‘ &.3"32/".&‘ $ ‘ /8)‘
%"$#'6$‘ &."#87#87‘:"3 ‘ /‘ ,"/82%')‘ .!/2'8$/5‘ &#$9/$')‘ /$‘ $%"‘ ,3$$3 ‘ 3:‘ $%"‘ &.3"32/".‘
1 ‘&3!#$/"-‘ ‘ 2 ‘ <#$%‘ &'('"/!‘ /"2%'738#/

1 "'
;-0 @489=‘40;49C+*4 9
GB*: I

1 "'
" 98+ 4*‘ ?94+ 0;‘0 '*‘
0;49C+*4 9‘GB*: I

1 "'
8*;?-98?9‘?94+ 0;‘0 '*‘ Q‘
40;49C+*4 9‘GB*: I

1 ' ' E

1 ' A
0;49C+* 9‘ & +70@+‘
;-0 0080

1 "'
80@C‘0 '?C08*;: *‘
GB*: I

1 "'
80+7* @?‘ 40C ;:‘ 0@+‘
0 '+796C089‘GB*: I'
G 8;:?79 B I

1 "'
80+7* @?‘ >9:.;;;:‘+0‘
=9-9 0C‘ ;+0‘*‘ 80;='
G 8;:?79 B I

1 "'
80+7* @?‘ ;'*;'*=-*;49='?+*:9‘
0 ':98B ;*+0;‘ G 8;:?79 B I

**47‘ 276,*+‘ ! 4‘ *26‘ 76675.03‘62‘ 6.0‘ -2,‘ /0-0:;,*+‘ 7/+0‘ ' 82''
D /!(#8#/ 5‘2/‘7‘ 987'" /88#/‘D J3!!/ 5‘8,6.‘ *2‘6/40‘-60:‘ o ‘ 8,6.‘ :7/+,*,‘
rCX 0 0G63/. 2/ G162- E,, I,,-,, ='5 7/06 52 2*/03‘ 2*‘ 6.0‘ 4*30/‘ -4/ 750‘-2:06,:0,‘
52:12-03‘2‘50 4 7/‘6,--40‘8,6.246‘ *0/?0-‘7*3‘ -62:767‘D /!(#8#/ >5‘-2:06,:0-‘8,6‘
A7‘-62:76,0/24-‘01,30/:,-‘D J3!!/ 5‘/24*303‘2/‘2;03‘-0--,0‘2/‘-4. -0--,0‘7 60/*7.

2/' 3,-6,5.24-' , : ; /,5760' " ! ' / ' 2 ' 682' ,*3-' -, : , 7/' 62' 6.2-0' 2 ' + /"&#!' /2'3'5' ,*-0/603' 76' 6.0' ;7-0' 2 '6.0' / *3-' *6.0/,3,7' 7*3' -12/7*+,7' 0*5 2-03' ,*' 3,-6,756' -12/257/1-' G2382'.$/2!'& 5' + 2;2-0' 50 03' 52 : 12-03' 2 ' T' 7 : ,* 0' 8,6.' ,*60/?0*,*+' 0 : 16=' 7 : ,*70' $! ' -1.0/,57 ' -1/,*+,*+' /2 :' 7' : 45. ; /7*5.03' ; 7-, 7/' 52 4 : *' 2 ' 2?2,3' 103,50 03' 76' 6.0' 621' 2 ' 7' 50*6/7 ' 5 7?760' 52 4 : *' .0' 2* =' -12/0' 30?0 2103' ,*' 6.0' -12/7*+,4 :' 0 : ,6-' 7' 1/26.7 4-' 2*' 8.,5.' -0?0/7' 7/5.0+2*,7' 7/0' 4-47 =' 30?0 2103

M2 7' 7 ,*, ']

/! $#'2 5' 8.,5 ,' 2/ : 0/ =' 52 : 12-03' 8,6.' + /"/ '/2#2'5' 6.0' 7 : , =' 2 ' %#J32/".'/'5' 3, 0/' /2 :' + /"/#>' !'/2'2'" 7*3' $$!/"#/' ,*' .7 ; ,6' 7*3' ,*' /01/23456,?0' 2/+7*-' 8.,5.' 25541=' 3,-6,*56' 210 50 03' -12/257/1-' 8,6.' 50*6/7' 1 750*676,2*J 7 -2' ,*' 6.0' -12/257/1' *26' 1/2345,*+' : 4524-' ;23,0-' 7*3' ,*' ,6-' 3057=,*+' 8.0*' /,10

.0-0' 1 7*6-' 276' 2*' -6, ' 8760/' ,90' ' 8/

/! ##/' ,-' : 06' 8,6.' 6./24+.246' 6.0' *2/6.0/*' .0 : ,-1.0/0' 7-' 80 ' 7-' ,*' 6/21,57' 7*3' 246.' : 0/,57' J3!!/' ,*.7 ; ,6-' -,7' /,57' 4-6/7 ,7' 7*3' : 0/,57' G2 :' 7*737' 62' 6.0' 6/7,6-' 2 ' 7+0 7*

' 1 -

4' < /"$J5' / B 4' > ' #2%/")5' "3878 5' ."#87

23$-!')3839&' $'"'"'&$"#/!' 3&&>!#F'' ' -' %'", /2'39&5' "33$#87' 3'" 2"'' .#875' &# .!'' 3'" ,"/82%')' ' 3..3&#$'' 3'" <%3"!')5'.'"&#&$'8$5' & /!!5' N>8'"(')' 6 (' , , ' '.#.%-!!39&' /$' $%'' ,/&'' 3:' $%'' !'/('&5' /8)')#&.'"&')' 3('" $%'' '8$#"'' &$' 5' 3'" /""/87')' #8' 2/$F#8&' /$' $%'' '8)&' 3:' $%'' ,"/82%'&' / ' &'&&#!'5' 3'" &%3"$!-' &$#.#>' $/$'5' "'8#:3" ' 3'" 23")/$'5' 23"#/2'39&5' H> >(/!(')5' 238$/#8#87' '#$%'"'".3<)'"-' M9/$'"'8/"-' 7"/89!'&5' & 33$%' 3'".//.#!!3&'5' 3'" !/"7'"' 7"/89!'&5' /"F')' 38' 38'' &#)'' <#$%' (' ."3 #8'8$!#8'&

0//0-6/,7' 10/0**,7 -' 2/' ?0/=' /7/0 =' 7**47 -' /0-0 : ; ,*+' 2--0-' 2/' !4*+0/P' : 7**,7-' & ' , , 2/ : ' 76' ,/-6' -, : 1 0' 6.0*' 3,5.262 : 24-' 0G5016,2*7 =' 4-, 2/ :' D %-!!37!3&&9 ' -' .0/ ; 75024-' 07 =' /226,*+' 5/001,*+' 2/' 0/056' 2/' -2 : 06, : 0-' -7/ : 0*62-0' GA '!/7#8'!!/' &2/8)'8&' -23.3)#9 ' (3!9,#!' 5' -, : 1 0' 2/' 3,5.262 : 24- =' ; /7*5.03' G,-' 2/ : 03' 2 '-57 7/, 2/ :' ?0--0 -' 7//7*+03' ,*' ; 4*3 0-' 6.0' *4 : ;0/' 2 ' 8.,5.',-' 7' : 4 6,1 0' 2 ' T' D%' &' <' (T' <%F' 7*3' 6.0' 3,?,-,2*' 2 ' 8.,5.' 1/23450-' 7' 3,5.262 : 24-' /7 : , ,576,2*' 2 '6.0' -60 : ' 7-', *' 0/*-

-23.3)#/2'2'" 7/0' 3,?,303' ; =' 6.0,/' .7 ; ,6' ,*62' 682' *764/7' +/241-' @ 6.0' 2*0' .7-' ; /7*5.0-' 30?0 2103' ,*' 7 ' 3,/056,2*-' 2/' 76' 07-6' ,*' 4*3060/ : ,*03' 3,/056,2*-' D6/40' -23.3)#/5' &#!3$9 5' '&#.$'"#& E' ,*' 6.0' 26.0/' 6.0' ; /7*5.0-' -1/073' -= : : 06/,57 =' 2/ : ,*+' 7' -2/6' 2 ' /2*3' 7*7 2+24-' 62' 6.76' 2 ' -2 : 0' 0/*-' G '!/7#8'!!/ ' 2 : 0' -105,0-' .7?0' 7' 52 : 1/0--03' -60 :' G -23.3)#9 '23 .!/8/$9 5'3'" ->47/0' G '$'$"/73 ' J -0?0/7' /0-0 : ; 0' 7/+0' 2--0-' G ' :38$#8/!3#)'& 5' 2/' 2*+' 52/3-' G ' :98#:3" ' ' ' '!/ /$ ' .7-' 2 60*' 5/001,*+' -60 : -' -2 : 06, : 0-' : 2/0' 6.7*' (' 006' 2*+' 7*3

Y

5011,+ .7- 2;-0/?03 -60 : - 2 '!/7#8'!!/' '?/!$/$/' 8.,5.' :07-4/03 :2/0 6.7*
<$ 006

-,:1 0 -0--,0 :2/0 2/ 0-- 3054//0*6 *0?0/ 2,*603 /0+4 7/ 2/ 7 5760
8,6.7 -,*+ 0 -62 :76,0/24- *0/?0 -2 :06,:0- 8.2/03 7/24*3 6.0 7G,- 7*3 7 76 7
+,?0* .0,+.6 2 6.0 -7 :0 -.710 7*3 -,M0 G -23.3)#9 5 =2]E -2 :06,:0- ,* %/0+4 7/
-0/,0- 7//7*+03 2* 6.0
1 7* 2 6.0 ;/7*5.0- 7*3
1/0-0*6,*+ 682 3, 0/0*6
2/ : - 6.0 2*0 7/+0-6
25541=,*+ 6.0 -,30 2 6.0
A 7G,- 7*3 57 03 !/$'"/!J
6.0 26.0/- -:7 0/ 57 03
#8$'" ')#/$' 2/ &$#.AA!#:3" '
G '!/7#8'!!/ J -2 :06,:0-
74/,5 03 J +7;/24- 2/ ?0/=
/7/0 = -4; 14;0-50*6 +/00*
2/ 37/9 2/ ,+.6 /03 G -23K
.3)#9 "9!"9 5 "9,'&2'8&5
"5F -2 :06,:0- .26 G '!/K
7#8'!!/ 2<&#/5 /$"3>(#")#& 5

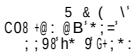
<5
CO8*;:@B'?99;' ;' 8O;+
GB*:I

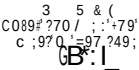
8 " (' 8@4+ 98O@?
>8*;47 GB*:I

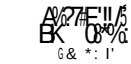
8 " (' W(('
6@4+ 98O@?' >8*;47

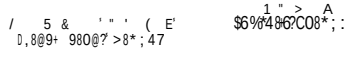
8 " (' W(('
8@4+ 98O@?' C9= 49

<5
O8+ 0;' 0' 8@4+ 98O@?' 8O;=









9 +798 *4@+9 08 +98B ;*+ ; : ; * 4*8 0@? / 7 +9 +0 ; : @9 G ('&$#$9 *5 *8A >@=? ;9-98 C89?9 ;+

 ?C8 ; : ; : 9 +798 ; 9*8 +79 >*?9 0 +79 9*-9?# 0-98 * +79 >8*;479?# 08 0; A *+ +79 8 @CC98 C*8+# ?0B9+ B9? +0 / *8=? +79 >*?9 0 >8*0+9* 9*-9?# *;= 08B ; : ?C F9?# 4*+F ; ?# 08 +98B ;* 40;9? 8*89 A >08;9 *+ +79 9;= 0 * ?08+ 0 ; *F9= ?4*C9# / 7 47 8 ?9? 80B +79 B == 9 * 80?9++9 0 ?B* ?@>@ *+9 9*-9? G %-!!37!3& = ! ?0B9+ B9? * * F9# *;= +79; H 49 9= D -'3.)) 5 %-!!37!3&&9 5 08 49 9= D '&#.$'"#& A 08 M 49 9= D &#!3$9 5 40;+* ; ; : 0; A -98A ?B* 70B0:9;90@? :8*;@ 9?# ?0B9+ B9? = B08C70@? D '!/7#8'!!/ 79)# 3".%39& A3"/87#/ 40;? ?) 1 H?+# 7 ! D738#3$%'2/ 5 / 7 47 *89 M -* -9=# *;= 40;+* ; ;@B980@? ?B00+7 08 C*C 0?9 :8*;@ 9? G #2"3&.3"'&5 /8$%="#)#/ 5 / 7 47 *89 =9-9 0C9= ; :80@C? 0   ; 49 ? +7*+ *89 ?00; 89 *>?08>9=" +79?9 *;+798 = *# / 79; C *49= ; ?@ +*> 9 40;= + 0;? 0 B0 ?+@89# >89*F# *;= C80D94+ >9A0;= +79 49 ?# / 79;49 *;+79800<0 =? 9B98:9# ? B *8 +0 +70?9 0 98;? *;= R@ ?9+@B?) 1 ;=# +79 4 7

?0 24-? ?,/640-? ,*? 5.059,*+? ?2 : ,6,*+? 54/,*+? 14 : 2*7/=? 7 056,2*-? 3/21-=? " 5 J 6.0=? 7 -2? 4-0? ,6? ,*? 6.0? 52 : 12-,6,2*? 2 ?1., 60/-? ? ? ? I

2 : 0? -105,0-? 2 ? 7/0? 54 6,?7603J? 6.0? 6/40? =52123-? 7/0? ?0/=? 3, ,54 6? 62? /07/? ; 46? 6.,-,-? *26? 6.0? 57-0? 8,6.? '!/7#8'$$2'5 -0?0/7 ? 2 ? 8 .,5.? 1 7=? 7? 52*-,30/7 ; 0? 17/6? ,*? 6.0? 2/*7 : 0*676,2*? 2 ? 24/? .26 .24-0-? 7-? 7? 52?0/,1+? 2/? 37 : 1? 8 7 -? 2/? ; 2/30/-@ -45.? 7/0? ? / .3) /5) ? 8$#/) /$/5 97'!##5 2/&&#/5 7*3? 29&.#) /$/? 7-? 7? -7/ : 0*62-0? 1 7*6? 82? 2/? 6./00? -105,0-? 12--0--? 6.0? 1/210/6=? 2 ? 3/=,*+? 41? 7*3? /0?,?,*+? 8 .0*? : 2,-60*03? D ? '38(3!9$/5 #8(3!('8&5 , 5F J 6.4-? /057 ,*+? 6.0? 2-0? 2 ? !0/,5.2? D-00? 1 ? T(TFJ

? A5? /"$!#87

? M9/$#2? /8)? &9, '"7')? 23$-!')38&5 ? $'"" '&$"#/!? I ? "-? &%3"$5:9""3<')5? ' #$$#87?)#2%3$3 39&? "33$&? /8)? &9,9!/$"? 23'&.#$3&"? :"38)&5? '"'2$ #8? '(3!9$#38A5? '8!/"7')? /8)? ?' ,"/839&? /$? $%"? ,/&'? / ? &#$9/$')? /$? $%"? !3<'"? . /"$? 3:? $%"?:"38)&5? $%3&"? 238$/#8#87? /2"3&.3"'&? /$$/2%')? $3? $%"? 2'8$"/!? :"38)&? 3:? $%"? "3&'$$'? $%"? /2"3&.3"'&? /"'? /"F')? 38? 38"%' #K &.%'"'? <#$%? /? $"#2"9"/!? !#8'5? $%"? #2"3&.3"'&? /"'? ?/"F')? <#$%? /?:9""3<

989;? *? :8*?? F9? ? *R@*+ 4? 08? *BC7 > 0@?? 08? +9889?+8 * ? ?+9B 9??? " * - ? ?@> : 0>0?9? 08? =9C89??9=? 08B9=? 0 ? *? 9?7A? @+8 4@ *8? + ??@9? 0 +9;? 0 A? >9*8 ;?:? >9 0/? M ? @880/?? 08? ??@89?? * 0;?:? / 7 47? +?=- -=9?? >A? *? ?08+? 0 ?>@== ;?: C8049??? ;+0? = ?+ ;4+? ;= - =@* ?? G &3'$'&?&'$/2'/5 U4 I?) ? 0 +9;? ?C8 ;: ;?: ;? 0;: +@= ;* ? ?98 9?? ;? 9*47? 0 ? +79? @880/?? 0 ? +79? ?+04F? = 470+0B0@?? >80/ ;? * B0?+? : *>80@?? ;? +79? *4@?+8 ;9? ?C94 9?? -9 -9+A? ;? +79? +9889?+8 * ? 2 ? *?4 4 9=? ?+8* : 7+? ;? -98;*+ 0;? +79 8? >*?9? B089? 08? 9??*BC 95 4*@ ? *;=? C89??9=? +0 : 9+798? F9? *? >@ >? +98B ;*+9=? >A? *? 0 *8? ;9*8 08B? 08? ? >@ *+9? > *=9? 89?9B> ;?: +79? 9*-9?? 0 ? ?0B9? 7?9;0:*B?? G #$$3"'!!/5 3,'!#/? 413"$ /88/5 U4 I? * 0;?: / +7? / 7 47? &3'$'&? ?? 0 +9;? 0@;=

0 0/ ;?: *A? ? 8*@;? = ?+ ;?@ ?79?? ;? +79? 80;=? +79? C7A 0C0=9? +79? C0@47? Gc9 (3#!' 5 +79? >08=98? G 0/"'/ 5 +79? ?C08*;? @B? +79? ?@ 9? *;=? +79? > *=9? 79? C7A 0C0=9? ?? +79? = *+9=? 08? ?79*+7 ;?: >*?9? 0 ? +79? 80;=? *;? 08:*;? *;* 0:0@?? +0? +79? C9+ 0 9? 0 ? *? 9* ? ;? +79? +9889?+8 * ? ?C94 9?? +79? C7A 0C0=9?? C98? ?+? 08? ?9-98* ? A9*8?? 0;? +79? 0@+? =9? 0 ? +79? 87 <0B9? *?? >80/ ;? 7*8=? 1M +00+79=? ?4* 9?? 79? C7A 0C0=9? ?? 70 0/9=? ;+0? *? C0@47? D!"? (3#!' 5 / 7 47? 044@C 9?? * B0?+? +?? / 70 9? ?@8 *49? +7 ?? C0@47? 9 +798? 0C9;?? +0 / *8=?? +79? *5 ?? 08? ?? C98 08*+9=? *+? +79? >*?9? ? ;*880/ ?>08=98? 0 ? *? C94@ *8? + ??@9? B6/"'/? 4 84@B?48 >9?? + ? 79? C0@47? 9;4 0?9?? *? B9B>8*;0@?? ?*4? D&.3"/87#9 5 4 0?9=? 0;? * ? ? =9?? / 7 47? ?? = - =9=? +8*;?-98?9 A? ;+0? ?9-9B ? 40BC*8+E B9;+?? >A? B9B>8*;0@?? ?9C+*? >0-9? +79? ?C08*;? @B? ?? *? ?B* ? ?B00+7? ?4* 9? 08B9=? 0 ? *? =9 4*+9? + ??@9? D!#79!' ? 79? 89?+? 0 ? +79? 80;=? 0 ? *? B089? 08? 9??=99C? :899;? 08B?? +79? > *=9? +? ?? @?@* A? ?@>@ *+9? *+? 0;? +79? ;;98? ?@8 *49? 40;-95? 0;? +79? 0@+98? +? ?? +8*-98?9=? 0;? +@= ;* A? >A? +8*;?-98?9 A? ?9C+*+9? +@>9?? / 7 47? ?@880@;=? *? 49;+8* ? >@;= 9? 0 ? *;;@ *8? *;=? ?C 8* ? -9??9 ? ? 79? 9C =98B ?? 0 ? +79? +9889?+8 * ? ?C94 9?? >9*8?? ?+0B* +*? / 7 47? *89? *>?9;? ;? +79? *4@?+8 ;9

79? ? * +D 0@:7? * F9? ;? 08B? ?+8@4+@89? *;=? ;?98+ 0;? 40;+* ;?

Y <

" ‘ 6

! ' 8*;?-98?9'?94+ O;' O '+79'>*?9?' O '
8O;=?♯?7O / ;:'+79'*88*;:9B 9;+' O '+79'
6' *;=' Q'?CO8*;: *'GB*: I

/ '
8*;?-98?9'?94+ O;' O '*'?CO8*;: @B♯ / '! '
9;4 O? ;:'*;+>98 = *'GB*: I :@ 9'GB*: I

/ '

W' ' *48O?CO89?'GB*: I' / H' 48O?CO89?'GB*: I

/ 'Z O
" 98+ 4*''?94+ O;' O '*'
:CO+*;: ;B♯9;4 O? ;:'
*;+>98 = *'GB*: I

! 'J
7A 0CO=9' / +7'=O@> 9'
:@ 9♯?CO8*;: @B'4O;E
+* ; ;:'*;+>98 = *

! '" I
Q'C7A 0CO=9♯?7O / ;:'+79'
A0 B:'?CO8*;: @B'*;='
+79' :@ 9

/ '" (
Q'C7A 0C969♯?7O / ;:'+79'
?CO8*;: @B'0C9;'*;='
=9C8 -9='O '?CO89?

F ;=?' 0 '89C8O=@4+ -9' O8:*;?# ;*B9 A# B*480?CO89?' ;'+F9' O@+98' 8O;=?# *;=' B 48OE ?CO89?' ;' + 9' 49;+8*' 8O;=?

79' '+0'+F9';@B>98' 0 ' '+0' ';'9*47' ?CO8*;:@B# *89'*+' 8?+' @;+9=';' O@8?# *;=' *+98' ?9C*8*+9" +79A'*89'=--=9='>A'*'4 84@ *8'8=:9';+0' '79B E ?C7989?# 0;9'0'/7 47' ?'?BOO+7# *;='+79'0+798# /7 47' ?'*' ++ 9'C8O=@49=# ?'B*8F9='>A' M'8=:9?#=--=;:' +?'?@8 *49';+0'M'+8*;:@ *8'?C*49?' 79'B9B>8*;9'0'+79'B*48OE ?CO89?' ?'=0@>9"+79';;98'-98A'+7 ;'*;='-98A'?BOO+7"+79'0@+98'+7 4F98# 48@?+*49 @?# :8*;@ *+9=# 0-90 *+9# O8' B@8 4*+9# /7 +9' 8' OC* ;9' 79' B*480?CO89?' OC9;' *+' :98B ;*+ 0;' ;+0'M "* -9?* 0;:'+7940;;-9;'8=:9?

79' , ' /7 47'89?9B>9' ;9' 0@8#*89' /7 + ?7' /79;' 89?7#>80/;?7' *+98" +7989'*89'*>0-9'*'B 0;' ;'9*47'?CO8*;:@B ' 79A'*89'*+' 8?+';;+9=';' 0@8?#+79;# 899# 0>0;:# 40;-95'0;'+79'>*4F# @880/9=# @8;?79='/+7'*'=0@>9'B9BE >8*;9' F9'+79'B*480?CO89?# 0+9;':8*;@ *+9='O8'C*C 0?9'0;'+79'?@8 *49#*;='40;+* ;'*'B ;@+9'=8OC'0'0

79# =9-90CB9;+' 0 '+79' C8O+7* @?' ;' &3'$'&' ?' *>?0 @+9 A'+79'?*B9'*?' ;' '!/7#8'!!/5 0; A'+79'B*480?CO89?'*89'=9-90C9=';':89*+98';@B>98?' ;'+79'?CO8*;:*# *;='+79'*8479:0;*'*89' 9??'*>@;=*;+' 0;'+79' C8O+7* @?' 79' *C+7980<0=?'*89' ?0B9/7*+'? B *8'+O'+70?9'0' 98;?

'

?O9+9?

O9 9J# 89:*8=9='*?'*'?94+0;'0' -23.3)#/2'2'">A'B O?+'>O+*;?+?#*;='7*-;:'=94=9='* ;+9?'/+7' +79B#'?99B'+0'@?';9-98+79 9??'+0' O8B'9+798'*'?B*' *B A'O8'*'=?+;4+'+8>9#/79+798'/9' 0;?=98'+79' ;*+@89'O'+79 8'-9:9+*+-9'O8:*;?#O8'+79'?+8@4+@89'O'+79 8'?CO8*;:*'7*3B*480?CO89?

79'?C94 9?'O' &3'$'&'*89'?C89*='O-98'+79'/7O 9'/O8=' OB9' O8B'*'?O8+' O6'9 6 9'*/;#?4*849 A' B O89'+7*;'*;' ;47';'79:7+'"/7 9' +798?#/7 47' -9';'=99C'/*+98#O+9;'*+*';'+/O' 99+';'9;:+7' D 5' +/!#8('"8#/8)

' ' A5' > ' #2%/")

. 5 &' *9$J

23$-!')3839&' &' 2'!!9!/"5 /M9/$#2' = ' $9,9!/"5 3#8$')5 8/F')' 3'" &9"K "398)')',-&'('"/!'./"/!!'!' '!387/$')' 2'!!&' K ' <%7"!')' 38' /' !'('!' <#$%' $%'" 3#8$&' - ' ! ' :3" ')' 3:' /8$%'"#)#)'/8)' &.3"/87#/5',3"8" 38' $%'" ,"/82%'&5 /8)' 3:$'8' /223 ./8#')',-',"/82%!'$& 3'",")2$'3!'&' 9 ' 23 .3&')' 3:' /' &.%'"#2/!' &/25 238$/#8#87' 3,!387' ('&#2!'&5 <%'82" &."#87' 89 '"39&' 2%/ ,'"')' $(%'&5 238$/#8#87' /8$%'"3J3#)&' = ! ' 3,!387' 3'" 3(3#)5:3" ')' 3:' &.#"/!' $(%'&5 /8)' 2"3<8')',-:#(" ."3$9,'"/82'& G4080;*I# /8)' 238$/#8#87' /' &#87!" &$/"2%-' 98#>' ,"-38#2' &.3"'

%/"/2'<*89'*R@*+4' ?@>B98:9=-9:9+*>9?# 0 +9;'957* ;:'*' 09+=' * *490@?' 0=0@8# / +7'+8*;?C*89;+'87 <0B9# 40BC0?9=' 0 'D0 ;+?'* /*A?' 08B9='0 '*'?;:9'+@>9# *;=' 59=';'+79'B@='0'?+*:;*;+'*;='8@;;:'/*+98' G>A'+@>@ *8' 08B'-98A' ;9' 40 0@8 9??'800+ 9+?' 79'C *;+' ?'?0B9+ B9?'89C8O=@4+6'>A'+79' 0/98' ;0=9?'0'+79

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(' +A ' /R\/2,2*' 2 ' /456,H
0/24-' ; /4*5. '-.28,* '6.0'30.,-50*6'
7*6.0/,3,* :' D * F

' ' (*> ' ' > < ' 2/6,2*'
/456, 0/24-' ; /7*5. 2 ' /456, 0/24-' ; /7*5 ,' -.28,*+ '
A D : 7+ 6.0'5 2-03' 746.0/,3, 7' D M B

' > " ' 21' 2 ' -12/7*+,4 ; '62'
28 '6.0'52/2*7' 2/ : 03' 2 ' 24/' *2* '
5.7 : ;C /3' * 264 ; 0/7*50-' : 7+ F

;=' 0 ' *' 47*B>989=' *B9 ; +#'
0 'a/7 47'9*47'49 '40 ; +* ;'?'
'*;+7980<0 =' GB*: I

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"* -9'0 '*;+798 = @B#'?70 -- ;:'+79'
49;+8*'*;+798 = 980@?'49 'GB*: I

08+ 0 ;' 0 'D0 ;+#'
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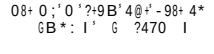

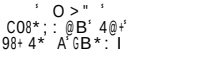

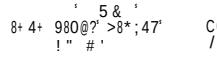

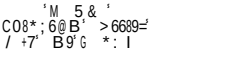

?+9B >9 ; :40; -98+9= ;+0 ?+*847A+@>98?0 -*8 0@? ?7*C9?# 08 >A / 7 + ?7 48@?+*49>@? >@ > ?# =9-9 0C9= *+ +79 D0 ; +?0 +79 ?+98; ?

- +@>@ *8# 4A ; = 4# 9* 9??# D0 ; +9=P ?0B 9+ B 9?+8*; ?C*89; + *; = 95 > 9# 9-9; * +98 >9 ; : =8 9= G #$'!!)-5 ?0B9+ B9?0C*R@9 *; = 8*: 9# 9-9; >9 089 >9 ; : =8 9= G %/"/ >5 0 +9; 40-989= / +7 4* 4*890@? ?* +?# @?@* A >8*; 479= 3#8$& 40BC0?9= 0 *' 4A ; =8 4 +@>@ *8 49 # ; *F9= G #$') 5 08 4 0+79= / +7 *' ?08+ 0 ?79*+7 08B9= 0 ?B* 98 +@>9? @; +9= +0 : 9+798# *; = : - ; :8 ?9 0; +79 0@+98 ?@8 *49 +0 0; : +@= ; * *; = 0> R@9 ?+8 *9 G %/"/ >5 +79 D0 ; +?0 08 +@>9? *89 9= / +7 *' 40 0@8 9?? R@ =# ; / 7 47 C* 9 :899; :8*; @ 9? 0*+ +79 8 ; ; 98 / * ? 40-989= / +7 :899; @; 08B :8*; @ 9?# *88*; :9= ; *' 47*C 9+ 08 0; : +@= ; * C*8* 9 -98A89 : @ *8 ?98 9?# *; = B089 08 9?? C89??9= +0 : 9+798 +79?9?98 9? *89 0> R@9 / +7 89 *+ 0; +0 +79 *5 ? 0 +79 +@>9# *; 0> R@ +A / 7 47 ?+79 89?@ + 0 +79 :89*+98 08 9?? + / ?+ ; :0 +79 +@>9 79 ?98 9? 0 :899; :8*; @ 9? 0-98? +79 / 70 9 ; ; 98 ?@8 *49 0 +79 +@>9# / +7 +79 9549CE + 0; 0 C*8* 9 0CC0? +9 >*; =?# / 7 47 *89 R@ +9 899 80B +79B 7 ? *88*; :9E B9; + 0 +79 :8*; @ 9? 0>+* ; ? >0+7 ; +79 ? BC 9 +@>9 0 #$'!!/>5 *; = ; +79 49; +8* *; = C98 C798 4 +@>9? 0 %/"/ >@ + +79 ; +8*49 @ *8 4 84@ *+ 0; / 7 47 ? =9?48 >9= *+ C H O# *; = / 7 47 7*? 95984 ?9= +79 ?*: *4 +A 0 B*; A C7A? 0 0: ?+? G 08+ # *4F# *47?# 47@B*4798# U4 I# ? >9? 0>?98-9= ; +79 49; +8* +@>9 0 %/"/ / 79; =9C8 -9= 0 +? 9; -9 0C9 0 408+ 4* +@>9? 7 ? 4 84@ *+ 0; =09? ; 0 95+9; = * 0; : +79 >*; =? / +70@ +: 8*; @ 9?# / 7 47 C80-9?# *? ?@CC0?9= >A B 4 # *; = 40; 8B9= >A %@+80479+# +7* + +79 ; +8*49 *8 4@889; +? +*F9 C *49 @; =98 +79 ; @9; 49 0 +79?9 ?98 9? 0 : 0>@ 9? 59= +0 +79 / * ? 0 +79 +@>9# *; = *89 =9+98B ; 9= >A *; *4+ 0; 0 +79?9

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'!!9!/'" $'""'&$"#/!' 3'" /M9/$#2' /889/!' 3'" .'"'88#/!' 23$-!')38&' - ' '"'2$ 3'" ."3&$"/$'5 !'/:-' M ' /!$'"8/$'5 3'" "/"'!-')#&$#2%39&5 &'&&#!'5 &# .!' ' 4$, ' ' :3" ')' 3:' /8$%'"#)#/' /8)' /"2%'738#/5 #8' $%'" /?#!&' 3:' ,"/'$'3!'&:' 3'" :"3 ' $%'" 2'8$"'" 3:' /' 23 38' #8(3!92"'" GC98 :0@ @ ;# C98 :A; @BI' ' .3!-7/ 39&5 383'2#39&5 3'")#3'2#39&' ' . +? 9 ':3" ')' 3:' &%3"$!-' . ')#2'!!')' 2'!!9!/'" &/2&5 3.'8#87' /$ $%'" $3.5 /8)' ' #$$#87' /' &' #:!9#)' ./"'82%- /5 23 .3&')' 3:' 2'!!&' '/2% 238$/#8#87' /8' /8$%'"3&3#)' $ / ' :!/&%>&%/.')5 238$/#8#87' /8' ' ,"-38#2 892!'9&'&9&.'8)')' #8' 929&5 # "P':3" ')' 3:' /' 2'!!9!/'" &/25 <%#2%' #&' $"/8&('"&'!-' "9.$9"')>5 $%'"9..'" ./"$' #&' $%'8' "/#&')' ,-' $%'" $/.#)' '!387/$#38' 3:' $%'" ' %"-35 <%#!&$ $%'" !3<'" ./"$':3" &/)' $%'" ,/&" 3:' $%'" ' ,"-3' /' ' ,"/839&' &%'/$% G-*: ;@ *I# /8)' &9"K 398$&' $%'":"9#$ <#$%' /' &3"$ 3:' 2/.' G4* AC+8*I' #' ' 2/.&9!/'" G@8;' 3'" +794*I' %3 '' 38' /'.')#2'!' G?9+*IE &'$/' &%'/$%')' /$ $%'" ,/&" ,-' $%'" (/7#89!/'5 /8)' &3 '$# '&' $'" #8/$')' Y,'!3<' $%'" 9"8'' ,-' /' &<'!!#87' G*C0C7A? ?I' P ' &.%'"#2/!'5 3(3#)'5 $-I#8)"#2' 3'" ."#&K /$#25 &3 '$# '&' #8)'%#&2'8$5 3&$!-':9"8#&%')' <#$%' /'23('" G0C984+ @BI# <%#2%')'$/2%'& 2#"29!/'!-' <%'8' "#.'5 /8)' !'/('&' /8' 3"#:#2'' GC98 ?+0B9I' /?#&' 3:' $%'" 9"8' 3229.#')' ,-' /' 2'!!9!/'" 23!9 8' G40 @B9 *I' "#&#87' #8$3' $%'" 3.'"29!9 ' 2 - ' 8/F')5 3'" :9"8#&%')' <#$%' /' &'./"/,!'",3")'" G*;;@ @?I# /8)' 9&9/!!-' 2"7<8')' <#$%' # 3'" /' 9!$#.!'" 3:' ' $'''$%4 3'" %/#"&' / -' '82!3&')' #8' $%'" 9@:85 /8)':3" ')' 3:' /')39,!'" &/2' !#8#87' $%'" </!!& 3:' $%'" 9"8' /8)' 23!9 '!!/' ' #8':39"&' #8' $%'" 3$%'">2'!!&5 238$/#8')',' $<''8' $%'" T' &/2& 3:' $%'" &.3"/87#9 ' A

-' 9 0;:*+;:' ;' 0;9' =894+ 0;# 9' 80B' >9 0/' @C/* .=?# ?0B9+ B9?' ?4*849 A' C9849C+ > 9' G 9?,/9 #/5 %/&29 5 1#&2'!#9 5 U4 I# ?0B9+ B9?' ?9-98*' 99+' 0;:' G#:'2F'"/5 U4 I# ? BC 9' 08' >8*;479=# 0' 9R@*' = *B9+98' +780@60@+#' 4A ;=8 4' 08' +8 E :0;0@?# -*8 *> 9' ;' 40;? ?+9;4A' *;=' 40 0@8" ?0B9+ B9?' ?0 +# / *+98A' *;=' ;9*8 A' +8*;?C*89;+' G 2%#&$3&$'7/5 =2 5 3'" :899;'08' 89== ??' G "-9 5 .!/2%89 5 +8#9 5 U4 I' ?0B9+ B9?' ;9*8 A' /00=A' *;=' > *4F' G 3!-$"#2%9 55 -.89 5 '2F'"/5 U4 I' 5 ?' 0' +79' ?+9B' ?0 9 A' 40BC0?9=' 0' B089' 08' 9??' 9 0;:*+9=' *;=' ;*880/' >80@?' 49 ?' +79' 0@+98' ?@C98 4 *' 49 ?# / 7 47' +*F9' +79' C *49' 0' +79' 9C =98B ?# *89' +7 4F98' *;=' 0' *' B089' 08' 9??' ;+9;?9' 89=' +79A' *89' 0 +9;' C80 0;:9=' ;+0' *98 *' 800+ 9+?' 08' *CC9;=*:9?

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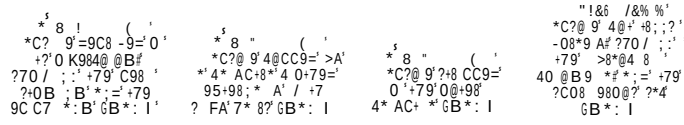
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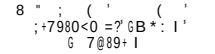
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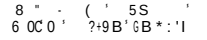
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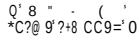
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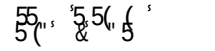

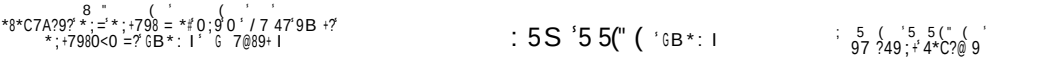
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0 ‘-98A‘-*8 0@?‘ 08B “+79‘ >80@?‘49 ?‘*89‘ *8:98#-98A‘+7 ;#‘7A* ;9# 9=‘/ +7‘*‘/*+98A‘ R@ =‘*;=‘*BA *490@?‘ :8*;@ 9?‘“ +79‘B9=@ *8A‘49 ?‘*89‘ ;*880/98‘ *;=‘+7 4F98#>@+‘ ?0 +‘*;=‘>80/ ; ?7“ +79A‘40;+* ;‘ ;0‘ :8*;@ 9?#>@+‘ 40 0@8‘ >A‘ 0= ;9

1 79‘800+?‘?C8 ; :‘9 +798‘ 80B‘>*? *8‘49 ?‘08‘ 80B‘C98 C798 4‘49 ?‘0‘+79‘ ?+9B“+79A‘*89‘* /*A?‘40BC0?9=‘0‘*‘? ; : 9‘?98 9?‘0‘49 ?‘7; +9=‘>A‘0> R@9‘/* ?“+79A‘ *89‘ B089‘ 08‘ 9??‘>8*;479=#+79‘C8 ;4 C*‘>8*;479?‘0‘*‘89== ?7‘>80/ ;#+79‘>8*;4 9+?‘ /7 +9‘08‘7A* ;9‘ ;‘B*;A‘?C94 9?‘*‘89? ;0@?‘95@=*+ 0 ;‘ 08B?‘*‘:8*;@ *8‘=9C0? +‘0;‘ +79 8‘?@8 *49#/7 47‘ ?‘0‘:89*+‘ BC08+*;49‘ ;‘*++*47 ;:‘498+* ;‘?C94 9?‘+0‘7*8=‘>0= 9?“ ;‘0+798‘4*?9?‘40;+8 >@+ ;:‘+0‘+79‘*:: @+ ;*+ 0;‘0‘?*;=?‘*;=‘+79‘> ;= ;:‘0‘+79‘=@;9? 0;‘?9* 40*?+?‘>A‘+@ +9=‘?C94 9?‘G 3!-$"#2%9 ‘.#!#:’"9 5‘8/89 5‘ /"%9!/‘8#"/!#&5‘ %/‘ 23 #$"#9 ‘2/8'&2'8&5‘ U4 I‘ 9? =9?‘+79 8‘?@>+988*;9*;‘800+?# B0?+‘ 0??9?‘C0??9?? *98 *‘08‘*=-9;+ + 0@?‘800+?# /7 47‘*89‘=9-9 0C9=‘0-98‘+79‘ /70 9‘?@8 *49‘0‘+79‘?+9B# >@+‘B089‘9?C94 * A‘ ;‘+79‘*5 ?‘0‘+79‘ 9*-9?‘0‘+79‘>8*;479?

1 *=9‘@?@* A‘? BC 9# ;98-9 9??# 08‘+8*-98?9=‘ 0;: +@= ;* A‘>A‘0;9# 8*89 A‘>A‘+/0# 49 @ *8‘>@;=9?‘G -!3'3 #9 5‘40BB0; A‘+98B9=‘;98-9?# /7 47‘B*A‘ >9‘?708+98‘+7*;‘+79‘> *=9# 08‘B*A‘89*47‘ +?‘*C95# 08‘95+9;=‘>9A0;=‘ +‘*?‘*;‘*/;# >8?+9‘08‘7* 8 C0 ;+‘ ;‘?0B9‘?C94 9?‘+79‘ ;98-9?‘C89?9;+‘0;‘+79‘@CC98‘08‘0/98 ?@8 *49‘B089‘08‘9??‘89:@ *8‘95489?49;49?‘D #&&#)'8&5 3$$#/ 5‘08‘C *+9?‘/ +7‘+7 4F9;9=‘ B*8: ;?‘G /"%9!/5‘ 3!-$"#2%9 ‘ 79‘9*-9?‘*89‘* /*A?‘?9?? 9#*;=‘ ;?98+9=‘B089‘ 08‘9??‘708<0;+* A‘b08‘0> R@9A‘08‘0;: +@= ;* A]#0 +9;‘=94@889;+#/ +7‘@?@* A‘ ?ABB9+8 4*‘/ ;:?‘*;=‘*89‘= ?+470@?‘08‘* +98;*+9#*;=‘*88*;:9=‘ ;‘89:@ *8‘?C 8* ?

79' 49 ?' 0 ' +79' + ??@9' 0 ' +79' 9*-9?' 08B' 89:@ *+' =0=94*79=80;?# 08' *' =9;?9' C*89;47AB*' G+8#9 5' "#%3:"#2%9 5=2 5' 08' 9 0;:*+9=' =0=94*79=80;?# 08' 870B>0 =?' D "-9 5' 08' *CC80*47' -98B 4@ *8' >80@?' 49 ?' G -."#9 55' U4 I'' ;' 1#2 #'!-" 5' *;=' ;' +79' B =8 >' *;=' B*8: ;*'9=:9' 0 'B*;A'0+798' ?C94 9?# +79' 49 ?' 9;:+79;'?0' B@47'*?'+0' 89?9B> 9' -9??9 ?' 79' 49 ?' 0 +9;' -*8A' ;' 08B' *;=' ? <9' ;' +796' ?*B9' 9* # >9 ;:' @?@* A' *8:98'*;=' BO89' 9 0;:*+9=' +0 / *8=?' +79' >*?9' 0 ' +79' > *=9' +7*;' +0 / *8=?' +79' +0C# *;=' 08B9=' 0 ' *' +7 ;;98' B9B>8*;9# *;=' =9C8 -9=' 0 ' 47 O80C7A '' +79' B*8: ;*' ?98 9?' ?' * /*A?' 40BCO?9=' 0 ';*880 /' 49 ?' / 7 47' 0 +9;' C8OD94+' ! ;=98' +79' 08B' 0 ' +@>984 9?' 08' +99+7' G 3!-'$"#2%9 55' U4 I# 08' >8*;479=' 7* 8?' G 9?%/9 #/5' U4 I' 79'49 ' B9B>8*;9' +?9 ' ?' ?BOO+7' 08' 40-989=' / +7' C*C ?9# / 79;49' +79' ;*B9' 0 'C*C 0?9' 49 ?' G /",9!/ ' ;' 498+* ;' 0??9?' +79' 0 *8' C*89;47AB*' ?' 40BCO?9=' ' ?9-98*' ? B *8' 08' = ?? B *8' 49 @ *8' *A98?' D 23,"-(E' ;'+79' *++98#' 9*47' *A98' ?' 70BOE :9;90@?'' ;' ?0B9' +79' 49 ?' *89' ?B* # 9 0;:*+9=# ;9*8 A' A ;=8 4# @ ' 0 '47 08OC7A '' ;' 0+798?' +79A' *89' *8:9# ;9*8 A' 04+*79=80;?' *;=' +@>@ *8# / +7' 7A* ;9' /* ?' C 9849=' / +7' 70 9?# *;=' =9C8 -9=' 0 ' :899;' :8*;@ 9?' 79?9' *A98?' *89' * +98;*+9' *;=' +79' +*>@ *8' 49 ?' * /*A?' 40-98' >0+7' ?@8 *49?' 0 '+79' 9*-9?

- ' ! % 1 0??9?' *89' ?95@* '' >0+7' ?959?' B*A' 044@8' ;' +79' ?*B9' ;-0 @489# 08' ;' ?9C*8*+9' 0;9?# *;=' +79' C *;+' ?' *4408=;:A' B0;094 0@?' 08' = 094 0@?' ;' +79' ?95;*' 0??9?' +79' +/0' 89C80=@4+ -9' 08:*;?' *89' ;+9 ;;59=' ;' +79' 49;+89' 0 ' +79' ;-0 @489# 08' *88*;:9=' ;' +/0' :80@C?# 08' 40;+* ;9=' ;' ?9C*8*+9' ?C94 *' ;-0 @98*' 9*-9?' 79' ;089?49;49' = 98?' ;'95+98;*' *CC9*8*;49' ;' +79' +/0' ?959?' +79' ;-0 @489' 0 '+79' B* 9' 0/98?' ?' +98B9=' *' .'"#-38#9 5'+7*+' 0 ' +79' 9B* 9' *' ."#7-8#9 5' *;=' +7*+' 0 ' +79' ?95@*' ."#7/ #9 ' 79'+/0' *++98' 08B' *;' 9 0;:*+9=# ;9*8 A' 4 0?9=' >@=# 40BCO?9=' 0 ' 9*-9?' 89?9B> ;:' +79' 4*@ ;9' 9*-9?# 0 ' /7 47# ;' *4+# +79A' *89' *' BO= 4*+ 0;'' +79' C98 :0; @B' ?'?+0@+98# *;=' +?' 9*-9?' *89' *8:98'*;=' BO89' 40;4*-9 ' +' +79' + B9' 0 ' +79' =9-9 0CB9;+' 0 ' +79' 8@ +# *' ;9/' 4A4 9' 0 ' 9*-9?# /7 47' *89' ;' *' 8@= B9;+*8A'?+*+9' >9 089' 98+ <*+ 0;# ?' ? B@ +*;90@? A' 9-0 -9=' +' >9*8?' +79' ;*B9' 3:'. '"#2%2'$#9 5' *;=' -*8 9?' ;' 08B' ;' = 989;+' ?C94 9?

%'' ./"/.%-&'& *89'D0 ;+9=' *B9;+?' 0@;=' ;'+79' ; 089?49;49' 0 'B0?+' 0??9?' ;' +79' `' +79A' *89'? BC 9' 08B' >0= 9?# 40BCO?9=' 0 '*'? ;: 9' ?98 9?' 0 ' 49 ?'' ;'+79' S' 08B# 4 *-*+9' 08' ?C*+7@ *+9#*;=' +98B ;*+9=' >A' ?9-98*' ?98 9?' 0 ' 49 ?

79' ."#738#9 ' ?' 0 +9;'+8*-98?9=' >A' +79' ?+9B# /7 47' ?' ?0B9+ B9?' 40;+ ;@0@?' G 3!-'$"#2%9 ' +780@:7' ?9-98*' ?@C98 BCO?9=' ?98 9?' 0 'C98 :0; *# *' 47*8*4+98' C94@ *8' +0' 3!-$"#2%9 5' *?' ?' * ?0' +79' C89?9;49' 0 '*;' '.#.%"/7 5' 4 0? ;:' +79' @8;

79' % # 08' B* 9' 08:*;?# *89' ++ 9' 9 0;:*+9=' 4A ;=8 4' 08' ?@> ?C798 4*' G 9?,/9 #/' @?@* A' -98A' ?708+ A' C9= 49 9=' ?*4?' 08B9=' 0 ' +*>@ *8' 49 @ *8' + ??@9' 9=' / +7' :899;' :8*;@ 9?# 9;-9 0C9=' ;' *;' 95+8* 49 @ *8' +7 4F' *;=' 7A* ;9' ?@>E ?+*;49# # *;=' 9=' / +7' *' :8*;@ *8' B@4 *:9# =9?+ ;9=' +0' >9' 95C9 9=' >A' D9+?' +780@:7' *;' *C 4*' 0C9;;:' ;' +79' *;+798 = @B' /79;' +79' *++98' ?' B*+@89' 79' B@4 *:;0@?' B*??' ;:' +79' *;+798 = @B' ?' 40BCO?9=' 0 ' ?C798 4*' 7A* ;9' 49 ?' X HI' +0' , MQ' ;' ;' = *B9+98# 9*47' 40;+* ;;:' *' 08B' *;+7980<0 =# *;=' @8; ?79=' *;+98 08 A' / +7' +/0' 95+89B9 A' ?9;=98' - >8*+ ;:' 7* 8?# / 7 47' 9R@*' +' ;' 9;:+7' 79' *;+7980<0 =' =9?48 >9?' *' ?C 8*' 0 '+/0' +@8;?' / +7 ;'+79' B0+798 49 # *;=' C89?9;+?# 9 +798' ;' +79' B == 9# 08' *+' +79' C0?+98 08' C*8+#' *' 79*C' 0 ' H ' *BA *490@?

:8*;@ 9?" / *+98 = ??0 -9?+79 B0+798 49 # *;= 899?+79 *;+7980<0 =# / 7 47 7A B9*;? 0 +? - >8*+ ;:7* 8?89*479?+79 :*C ;:B0@+7 0 +79 *8479:0; @B

79 08 9B* 9 08:*;08 : ;*+9?# F9 +79 *;+798 = @B# *? *49 # / 7 47 >A ?@>= - ? 0;=9-9 0C? *4A ;=8 4* 49 @ *8 >0=A / +7 *80@;=9=+0C# +8*E -98?9= >A *4*;* ? +? / * ? 9 0;:*+9# +79 0 / 98 C*8+ 0 +79 *8479:0; @B = *+9?# + # / 79;B*+@89# + >940B9? *:0; ?7*C9=# *;= *+ +79 ?*B9 + B9 +? +@>@ *8 *C95 7*? 95C*;=9= ;+0 * @;;9 ?7*C9= +98B ;* 08 49 79 4*- +A 0 +79 *8479:0; @B 40;+ ;? *;@4 9@? G 899 49 I BB98?9= ;B@4 *:9 79 ;@4 9@?# * +98 98+ <*E + 0;0 +79 *8479:0; @B >A *;;*;+7980<0 =# 9 0;:*+9? *;= >940B9? 4A ;=8 4# +79 *8479:0; @B +?9 *+ +79 ?*B9 + B9 ;489*?;:>0+7 ;9;:+7 *;= >89*=+7 >@+ +79 ;@4 9@? >9 ;:=9-9 0C9= *8 B089 8*C = A +7*;+79 *8479:0; @B# ;* A 8@C+@89? +7 ?+8*;?-98?9 A# 4*88A ;:@C +? @CC98 C*8+ *? *40;4* 4*C G2/% .$"/ 5 *;= 9*- ;: +? 0 / 98 C*8+ *? *?79*+7 D(/7#89!' ?@880@;= ;:+79 >*?9 0 +79 ;@4 9@?# / 7 47 ;0 / 08B? *? 9;=98 >8 ?+ 9 7 ? >8 ?+ 9 :09?0;9 0;:*+ ;:# ?+ 4*CC9= >A +79 4* AC+8*# + + 7*? *++* ;9= +? @ 79 :7+# / 79;+79 @CC98 C*8+ / +7 ;+79 4* AC+8*? / 9 ? *;= 08B? +79 4*C?@ 9 G$%'2/ 08 9"8 5 40BB0; A 4* 9= +79 8@ + 0 +79 0?? 79 9? 0 +79 >8 ?+ 9 ? +79 .')#2'! 08 &'$/ 0 +79 4*C?@ 9

79 ? @?@* A 0-0 = 08 4A ;=8 4# ?0B9+ B9? ?C798 4* G %/&29 5 08 *;:@ *8 G 3$-$"#2%9 5 8*89 A 40BC89??9=;0;9 ? =9 *;= @;9R@* + B*A 89B* ;9;+ 89 G %/&29 53"" ?C + ;+0 0@8 ?9:B9;+?@;+9= *+ +79 +0C G 8)"2'/ " >@+ ;B0?+ 0+798 0??9? + =97 ?49? +8*;?-98?9 A *>0-9 +79 B == 9 7 ? =9+*479= C0 + 0;? ?;*B9= +79 3.'"29!9 0 +79 4*C?@ 9 79 >*?9 0 +79 4*C?@ 9 ? @?@* A ;*880 / 9= 9R@* A ;+0 +79 ?9+*" >@+ ?0B9+ B9? +7989 ? *?ABB9+8 4* 0> R@9 08 :>>0@? ?/9 ;:*+ +79 D@;4+ 0;# 4* 9= /.3.%-&#& ;8)"2'/*;= "2%#)#9 +79 *C95 0 +79 >8*!47 *+ +79 >*?9 0 +79 ?9+*? ?/0 9;*;= 9?7A# 08B ;:*C?9@=0C0= @B# *? ;.%/78'< 9+/99;+79 B*8: ;?0 +79 0C984@ @B *;= 0 +79 4*C?@ 9 +7989 0 +9;95 ?+? *;;+98 C9= *+9 08:*;# 4* 9= +79 /889!9&5 40BC0?9= 0 0;9 08 ?9-98* 80/?0 -98A 7A:80B9+8 4* 49 ?# +79 8*C = :80/+7 0 / 7 47 *4 +*+9? +79 =9+*47E B9;0 +79 0C984@ @B 79 B0@+7 0 +79 4*C?@ 9 ? ;*F9=# 08 @8; ?79= / +7 * C98 ?+0B9 40;? ?+ C:0 H 80/?0 *;490 *+9 08 08B G1/#(&38#/ *CC9;=*:9? 08 +99+7# / 7 47 *89 =9 ; +9 ;;@B>98 G # # HN# M # N I & 79;+79 C98 ?+0B9 ? ? BC 9# +@?@* A 08 :;*+9? ;+79 00?9+ ??@9 / 7 47 ;9?+79 ;;98 ?@8 *49 0 +79 @8; / 79;+ ? =0@> 9# +79 ;;98 ? * C80 0;:*+ 0;0 +79 ?*4 G&.3"/87#9 40;+* ;E ;:+79 ?CO89? 0B9+ B9? G 3!-$"#2%9 +79 ;;98 C98 ?+0B @B 95+9;=? 708 <0;E +* A 80B +79 4 84@B 989;49 +0 / *8=? +79 49;+89# +0 08B * B9B>8*;9 4* 9= +79 '.#.%"/7 79 / * ? 0 +79 4*C?@ 9 *89 40BC0?9= 0 * *;9C =98B* *A98 08B9= 0 +*>@ *8 ?B* * *;= +7 4F 49 ?# *;= 0 M *A98? 0 *8:9 +7 ;*;= 7A* ;9C*89;E 47AB*+0@? 49 ? 79 9C =98B* *A98 ? 0 +9;C 9849= / +7 ?+0B *+*# 9?C94 * A *+ +? 0 / 98 C*8+# *? /9 *? *+ +79 ;94F *;= *C0C7A? ?

79 ! ? 9;4 0?9= ;+79 4*C?@ 9 +? 40BC0?9= 0 *B9B>8*;0@? ?*4 / 7 47 ;9? +79 4*- +A 0 +79 4*C?@ 9# *;= / 70?9 >*?9 ? =8* / ;@C F9 +79 ;:98 0 *: 0-9 0-98 *49;+8* *5 ? D23!9 '!!/ $ 00?9 + ??@9# 08 0 D0 ;+9= *;= ?0B9+ B9?

7 7:4*7;0 62 :760 6.0-6/4564/0 2 6.0 2/+7*-2 /2 :8.,5. .7?0 8,30 =3017/603 ,* 6.0 30-5/,16,2*! /--0 5 07/ ;= 7 ,60/7 6/7*-76,2* 2 6.P 2/,+,*7 2 6.0 30?0 21:0*6 2 6.0 7/5.0+2*,4: B

;?+0B0? ;:' *B9;+?# @; +9?' +79' 0@+98' / * ' 0 ' +79' ?*4' +0' +79' ;;98' / * '0 ' +79' 4*C?@ 9'' +79' 40 @B9 *' ?' ++9=' / +7' *5' 49 @ *8'+ ??@9# / 7 47' 8 ?9?' ;+0' +79' 0C98E 4@ @B# *;=' ?'40;+ ;@0@?' >9 0 /' & +7'+79'+ ??@9'0 '+79' ?9+*' 79'40 @B9 *' ?' / *;+ ;:' ;' ?0B9' 7*?4@B?

79' ' *89' =9-9 0C9=' ;' 0@8?' ;' 3$%'">2'!!&5 / 7 47' 40;?+ +@+9' *' -98D' ?0 +' + ??@9' >9+ / 99;'+79' 40 @B9 *' *;=' ;;98' / * ?' 0 '+79' ?C08*;: @B# *;=' / 7 47' + ??@9' ?' 8*C = A' *>?08>9=' "2%#)#9 ' * 0;9' C89?9;+?' *;' 9549C+ 0;'+0' +7 ?' 8@ 9# 9*47' B0+798E 49 '40;+* ;;:' 0; A' *' ? ;: 9' ?C089' 79'."3$%2)!9&89?@ + ;:' 80B'+79' :98B ;*+ 0;' 0 '+79' ?C089?' ?' *# 49 @ *8' 40; 98-0 =' *B9;+# / 7 47' >8*;479?' = 970+0B0@? A' 08' ;' +@ +?# 0;' ?9-98* ' C0 ;+?' 0 ' / 7 47' >@=?' *CC9*8'' +79?9' >@=?' >940B9' 9* A' ?+9B?# 0 ' / 7 47' ?0B9' >9*8 ' *8479:0; *' 08' *;+798 = *# 08' >0+7 ' 79' C80+7* @?' ?' C98? ?+9;+' ;' ?0B9' B ;@+9' 0??9?' / +7' -98A' ? 9;=98' ?+9B?' D "+&$3&$'7/5' .%' '"9#85' U9 I

! ' ' +

0??9?' C80C98 A' ?0' 4* 9=# &$'732/".39&' 08' 2!'#&$3'/".39&' b4*C?@ 9' *9; ?4 ;:' 08' ;0+]' *C?@ 9' ?9?? 9' 08' C9= 49 9=# ;=97 ?49;+' 08' / +7' *' ?9C*8*> 9' 0C984@ ; 6'' B0@+7' / +7' 08' / +70@+' *;' *;;@ @?# ;*F9=# 08' / +7' *' ? BC 9' 2/' =0@> 9' C98 ?+0B9

'

1.0:0/4 ,, .=-52:,6 ? 7

.7-54: 57* 2*

/45 ,,7

2,6,7

/5 ,,3,*:

0,,/,3,4:' P 12,#030/7

5 ,,-6k-60+7

-626*4: .7;3780,-7 =:0*2-62*,:, O0,-,7 =:*2762:4:

C 567+,:*

,5/7*4*, ,58*0 7 =*232*6,,:F 6=2-60+,,,: 2 2:,6/,4:

,2/7*232*6,*: 7*,1=214- *+-6,(27:,7 /0:76232*

0452;/=,,: 162; 01.7*,:

67-,30*- 1*2:,6/,*/7

0,+0/,7 7:1=2-60,4: ,*3,7 /75.=234-

266,7 6,757 =167 /,5.2-62:4: 0-:76232* 7/;4 7 01626/,5.4: ,3=:232* 0/76232* ,-6,5.,4:

06/71;,- 06/232*6,4: *57 =167

7=:10/7-

h=+232* *,1;,3,4:

k/6;26/,7.4: 267 6=5.2:,6/,,/7 =1.2*,,6/,4/* 75/2:,6,4: 2-5,*232* 5 26.0,:,7

/,/7:,7 02,,0/,7 0;,-6,3,4: =16232* ;752:,6/,4/*

038,+,7 /74*,7

,*5,326,,- X 1 75;*,4* 7=2/,7 ,-7232* D 3,123,4: 0 /71 232*

,-50,4:

4*7/,7 *6;-6,232* .=-52:,6/,4: =/7*,,34!7

00-,7 1,;=232*

7=,7:,7 /0730- =1.257/14- /=162123,4: 2*2-62:4:

,0,5;2 0,(,7

/=,,*, /6;232*6 4: *,,,: 4 752:*,4: ,:::,7 7 430 7 O,;0/7 =:0*232* ,*5,3,4: 4G;7*/7,7 ,1;=-2,4:

2162-62:,,: 216,*7,- ,5;0=/77 ,:75,4*J

/=1;7 7 +*0232* 016232* 732:*,4: 05 60/7 /71;=2:7 2:7,7

2290/,7 =76.21;2/4: 66 /=+21;= 4/7 7 62*,7 *,730 1.4-

7;/2*,7 4 7521, 4: *,-232* *757:16232* .030*,7

=1*4: =12160/=+,,/2 .,M2+2*,,,: =:0*232*

Q 3 ' !

7+,26.05,**,	=0 ,7	60/2+2*,4 ,F	*2 : 232*
.=*5.2-60+,4 :		0-54/07	060/25 73,4*,
.7 : *,* :	/6;26.05,4 :	60/,+=*7*3/4 :	?0432 0-907
*/;=*5.,4,*	= 7,- 7		.,,,3,4 :
	2 : 7 26;05,4 :	*6,6/,5.,7	= *52 : ,4 :
2 =6/,5.4 :	76=+=/,4 :		
78-2*,7	= ,*3/26;05,4,1	0-907	

! ' ' 1

47 ?+04*8C0@?' 0??9?' *C?@ 9'>08;9'0;'7'C?9@=0C0= @B#;0+'0C984@ *+9#0C9;E ;:'>A' ' 0;: +@= ;*' ??@89?#*;=' 08B ;:' '-* -9?' 40798 ;:'>A'+79 8'+C?'G 8)"3'/5 08' 899'D 2"3&2+& /5

7?' ++ 9'+8 >9# /7 47' /*? 08B98 A'C *49=';9*8' ><87'" /88#'3"0;'*440@;+'0' +?' 7*> +' *;=' +79' -* -*+9' 4*C?@ 9# ?'?9C*8*+9=' >A' +?' 40 @B9 *# +79'*>?9;49'0' 9 *+98?# *;=' +79' 407989;49'0' +79' -* -9?' *+' +79' +0C# 08' +0 / *8=?' +79' #))!'' 3:'$%'' @8;'' >@+' +' *CC80*479?'>0+7' +79?9'*;=' .%/78'2"' ;' +79' =9-9 0CB9;+'0 '+79'6@ +

*3/-07 5/2-5.,-:7

2--0-' ,90' .L*2+7 : -'12--0-'26.0/' : 230-'2,' /01/23456,2*'6.7*'6.76';=' -12/0-' *' *07/ =' *,' 64;0/5 0-'7/0' 2/ : 03'2*'6.0'-4;60//7*07*'7*3'0?0*'70/,7';/226-'8.,5.'8.0*'0G12-03'62'6.0'7,/'+0/ : ,*760' ,90'6.0';43-'2/ : 03'2*'6.0'1/26.7 -'-2 : 0'2'6.0'10/,1.0/,5'50 -'0 2*+76,*+'62' 2/ :'6.0'/226-'26.0/-' 4/*,-.,*+'*28'50 -' 2/'6.0'-60 :'7*3'07?0-

'-2 : 0' 2--0-'/01/23456,?0'64;0/5 0-'7/0'7 -2'30?0 2103','6.0'7G,-'2'6.0' 07?0-'D %/&29 '8#$#)9 5' "79 '#>-$%"32/".<8? ' 2 : 06,: 0-'6.0='7/0'30?0 2103',*62';43-';0 2/0'30675.: 0*6'7*3'/226',*'6.0'-2,' *-'-22*'7-'6.0='/075.',6'D "-9 '/# 3$#88 ' *'-6,'26.0/'57-0-'6.0-0';43-'/226';0 2/0' -017/76,*+' /2 :' 6.0' : 26.0/ 1 7*6'G 383 #$"#9 ' ?+/89 5' #82!#)3$ '/M8/$#2 4 ' *'-2 : 0'57-0-'0?0*'7'30675.03' 07 '57*' 7552/3,*+'62' 5.,: 10/' 1/23450 7' 1/26.7 4-' ;=' 50 : 4 6,1 ,576,2*' D 98/"#/' %-7"3 '$"#2/ ' ,*7 =' 0G5/0-50*50-'2/'."3./79!/' 2/ :'76'6.0'0G6/0 : ,6='2'6.0'-60 :'7*3';/7*5.0-'2'-2 : 0' 2--0-'D #)/23 8#<85' '$$/.%##5' " F2/'0?0*'2*'6.0'07?0-' 8.,5.'8.0*'30675.03'2/ :'*08',*3,?,347 -' 2--0--2'3,-6,*56'/2 :' './$#2$'',*'6.0,/'2/+7* '2 ?0+0676,2*'7*3'/456, ,576,2*'0?,30*6='711/275.'6.0 :',*'6.0,/' -0G47'2/+7*-' .%/78'/'52**056'6.0'682'7:,,0-'/0-0 :;,*+' 2--0-',*'.7;,6'2,7+0'7*3'2/ :76,2*'2' /4,6'7*3' 'M#/$#22 ' ,*' 6.0'0?2 46,2*'2'6.0'1/26.7 4-'7*3',*'6.0'-6/4564/0'2'6.0'7*6.0/,3,7'7*3' 7*6;0/2M2,3-'=2

2--0-',*.7;,6'7'5,:760-'7*3' :2-6'2112-,60'257 ,6,0-' /2 :'6.0'0>4762/'62'6.0'12 0-J 6.0='7;24*3' ,*'60 : 10/760'/0+,2*-'7-50*3,*+'6.0'.,+.0-6' : 24*67,*-'7*3'30-50*3,*+',*62'6.0'30010-6'?7 0=-' .0=' 5 26.0'8,6.'10/10647'?0/34/0'6.0'6/4*9-'2'6/00-'/259-'7*3' 60*'2 3'87 -'7*3'/22 -' O.0/0?0/'6.0/0' ,-' :2,-64/0'6.0='7/0' 24*3J -2 : 0'7/0' -4 ; : 0/+03',*'/4**,*+'8760/'D 38$#8/!#& 5 26.0/-',*' -67+*7*6' 8760/' G -. ' ' 7/+0'*4 :;0/'7 60/';0,*+'6267 ='3/,03' 41'34/,*+'6.0' -4 : : 0/' /052?0/'6.0,/'?0/34/0',* 6.0'522'7*3'/7,*'2'7464 :*' .0,/'17/6',*'6.0'052*2 :='2'*764/0'*-'52*6/,;46,*+'62'6.0' 2/ :76,2*'2' -2, ',-'*26'0--',:12/67*6'6.7*'6.76'2' ,5.0*-'8.2-0'82/9'6.0='57, ='2*'733,*+'6.0,/'28*'306/,64-'62' 6.76'2'6.0-0'7660/'7*3'2/ :,*+'2*'-7*3='7*3-';='6.0,/'3057='7*3'/01/23456,2*'7'7=0/'2'-2,'-4,67;0' 2/'6.0'7+/,54 64/,-6

0/67,*' -105,0-'80/0' 2/ :0/='4-03',*' :03,5,*0'7-'7-6/,*+0*6-'7*3'3,4/06,5-' '&F'/'&'"#2'/',-'-6,' 711 ,03'0G60/*7 ='*' -2 : 0'524*6/,0-'2/',6-'.-0 : 2-676,5'1/210/6,0-' 0?0/7' 2--0-'7/0'4-03' ,*' 6.0'7/6-' 7*3' 32 : 0-6,5'052*2 :='J',*' 8030*'7*3' 2/87='6.0'107-7*6-'46, ,M0' -.89 ./"#'$#89 ' 7*3' 98$#8/!%' 62', '6.0'5/0?,50-',*'6.0'87 -'2'6.0,/'.46-' .0'52 : : 2*' 3!-$"#2%9 ',-' : 730',*62';/4-.0-' : 45.'4-03' 62'+,?0'7'3/0--,*+'62'-64 -' ,*7 =' -.$#$# '#$#M9'$"9 ',-'4-03'2*'75524*6'2',6-'+/076'0 7-6,5,6='',*' 1759,*+';-0*2+7 : 24-'1 7*6-

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+3&&>!#F'&3:$:!/22#)&:387 23$-!') #& - '"'2$#8%37&5:!3/$#87#8&</ .&>5 "'79!/"!-:/&2#2!')5 /$$/2%')$3 $%" &$' !/$'"/!!-$3 $%" #8&'"$#38 3:$%" !'/('& # ,"#2/$'5 2382/('5 8'"('!'&&5 9823!3(@"')/8)8'/"!-$"/8&./"'$#$5 " "2)% P 6<"' / 23 .3&')3:/8$%'"#)#/ /8)/"2%'738#/ $ &#$9/$')38 !387>.')#2'!!')/ '8$#:3" %"/82%!'$&5 3.'8#87 '!/&$#2/!!-/$$%" $3.5/8)8'"3J3#)& $ / $'" #8/!5 4#8 %9)>!#F'#8(3!92"'& 0 &3 $/"-5 2/.&9!/"5 7!3,3&" 3"3(3#)5 &'&&#!" 38/" %' #&.%'"#2/!3"&9%>)#&23#)(/7#89!/ /!-.$"/:3" #87/('"-# .'":'2$ 2/.5 $%" !/"7'&$ ./"$ "' /#8#87 /$$/2%')$3 $%" (/7#)/ 3.'"29!/$'" .'"#&$3 " 8/F')5 <#$%39$ /889!9&/ -%' #&.%'"#25 &'/$')38 /('"-&%3"$ $%#2F 23!9 '!!/5 <%#2%)#&/../"& #(%'8 "#.'')# 3".%39&5 &3 "!/"7'"5 .-"/ #)/!5 $%" 3$%'"& .3!-%')"/!2 :#!/ '8$39&5 F83$$-3"!)')5 /8/!3739& $3 $%/$ 3:' 9C*+ 4?9

- 1 0BC0?9=0 7 / 00=0 408+ 4* 4A ;=98 0 >80@? 49 ?# ?@880@;= ;:7 B9=@ *8A0 8 *5 9 >@;=9 >9 408+ 4* 4A ;=98 08B9=0 N>\ *A98?0 ?0B9+ B9? >80@? 49 ?# ;9*8 A* /*A? C 9849=/ +7 *;;@ *8 70 9?# /7 47 >A *4 +*+ ;:4*C *8A *4+ 0;;+79 ?+9B *;=>8*;479?# 9;*> 9 +79 C *;+ +0 :80/ / +70@+ 800+?# *;=+0 8 ?9 +0 *40;?=98*> 9 79 :7+# 0 +9;B*;A 99+*>0-9 +79 ?0 # / +70@+ 0??0 9 -9:9+*E + -9 C0/98 +7 ?89?@ + ? C8 ;4 C* A =@9 +0 +79 89 959=>8*;479?# /7 47 * /*A? 89B* ;?+98 9# *;=/7 47# *4+ ;: F9 *=-9;+ +0@? 800+?# 40;+8 >@+9# / +7 +79 ?C0;:A + ??@9 0 +79 >*8F 0 +79 ?+9B# +0 8* ?9 +79 /*+98 80B +79 >*?9 0 +79 C *;+ +0 +? +0C

J 08 800+ 9+? 0; A 95 ?+ ;A0@;:C *;+?# 40BC 9+9 A =?*CC9*8 ;: * +98E /*8=? +79A *89 40BC0?9=# *? ;+8@9 0??9?# 0 *? ?;:?98 9? 0 4A ;=8 4 7A* ;9 49 ?

1 79 9*-9? *89;0+=9-9 0C9= 80B +79 408+ 4* *A98 0 +79 ?+9B# >@+# F9 +79 >8*;479?# 80B +79 0@+98 49 @ *8 *A98 0 +79 /00=A 4A ;=98 9 @ *8 + ??@9 @; 08B# >@+ ?@>?9R@9;+ A = B08C7 4## 0/ ;: +0 +79 @;9R@* ?9:B9;+*+ 0; 0 +79 49 ?# 0 /7 47 ?0B9 >940B9 9 0;:*+9=# *;=40;+* ;47 080C7A 0+798?+*>@ *8# = *C7*;0@? *;= C080@? 7 ?+8@4+@89 ?* *;* 0:0@? +0 +7*+ 0 +8@9 0??9?# >@+ ;. %/78/ +79 +/0 F ;=? 0 49 ?*89 = ?+8 >@+9= ;+79 ?*B9 *A98# *;=* +98;*+9, / +7 9*47 0+798# ?0 +7*+ +79 4A ;=8 4* :899;49 ? 08B +79 +789*=? 0 +79 0 *8 ;9+/08F# *;= +79 *8:9 C080@? 49 ? 08B +79 ;+98?+ 49? 79 49 ? C 9849=/ +7 70 9? *89 9- =9;+A ;+9;=9=# F9 +70?9 ?@880@;= ;:+79 ?+9B# +0 89;=98 +79 C *;+ B089 7A:80B9+8 4 & +7 +79 9549C+ 0;0 '9'3.%/8'&5 ;0 0?? C0??9??9? *:89*+98 C0/98+7*;. %/78/ =0# 0 40;-9A ;: / *+98 +0 40;?=98*> 9 79 :7+? +79A *89 +8@9 ?C70;?# 40;+8 >@+ ;:+0 +79 =8* ;;:0 B*8?79?# 40;-98+ ;: ?/*BC? ;+0 >0:?# *;= >0:? ;+0 =8A *;=

O 8$%'"#)#/ *;= /"2%'738#/ G F9 +8@9 0??9? *;= './$#23'5 @?@* A 0;= 989;+ ;= - =@* ?# ;9-98 ;+79 ?*B9 ;-0 @489# *? ? ?0 0 +9;+79 4*?9 / +7 0??9? 8$%'"#)#/ 40 94+9= ; 089?49;49? G+79 0; A*;*0:@9 +0 / 7 47 ? ;+79 9* A './$#23'5 08B ;:4*+F ;? 08 ?B* 40;9?# ?+@*+9= 0; ?940;=*8A *59? *47 ; 089?49;49? 40BC0?9=0 *;; -0 @48* 9* # *;=*;*;+798 = @B ;?98+9= *+98* A +0 +7 ? 9* 79 *;+798 = *:89*+ A 89?9B> 9 ; 08B +70?9 0 './$#23'E +79A *89:0>0?9 08 0-0 =?*4?# 08B9=0 0;9 *A98 0 7A* ;9 47 080

C A ʻ 49 ?# / +7ʻ *ʻ C9= 49 ʻ 08B9=ʻ 0 ʻ ʻ ?98 9?ʻ 0 ʻ 4A ;=8 4ʻ 49 ?ʻ 79ʻ *;+ 980<0 =?ʻ 9?4*C9ʻ >Aʻ *ʻ 8@C+@89ʻ 0 ʻ+79ʻ +0Cʻ 0 ʻ+79ʻ *;+798 = @Bʻ G*?ʻ ;ʻ =./$#2 ʻ*;=ʻ 0??9?I# / 7 47ʻ +79;ʻ R@ 4F Aʻ=94*A?ʼ *;=ʻ+7 ?ʻ= ?+ ;:@ ?79?ʻ +ʻ 80Bʻ+79ʻ*;+798 = *ʻ 0 ʻ 0??9?# / 7 47ʻ ?0B9+ B9?ʻ C98? ?+ʻ 08ʻ A9*8?ʻ 7@89+ʻ 7*?ʻ 0>?98-9=ʻ+7*+ʻ+79ʻ 49 ?ʻ Cʻ +79ʻ*;+798 = *ʻ *89ʻ 9;+ 4@ *8# *++98ʻ 0;ʻ 0;9ʻ ? =9ʻ+7*;ʻ 0;ʻ+79ʻ 0+798#*?ʻ ;ʻ './$#22'5 / 7 ?+ʻ;ʻ 0??9?ʻ +79Aʻ *89ʻ C98 94+ Aʻ ?AB B9+8 4* ʼ 9*47ʻ40;+* ;?ʻ*;ʻ*;+7980<0 =# / 7 47# ?ʻ?9+ʻ 899ʻ>Aʻ+79ʻ 8*C =ʻ = ??0 @+ 0;ʻ 0 ʻ +79ʻ 49 / * ʻ @;=98ʻ / *+98ʻ 79ʻ *;+7980<0 =ʻ ?ʻ *ʻ 7* 89=ʻ *B9;+# ?C 8* Aʻ 40 9=ʻ+/ 49# *=798;:ʻ+0ʻ *ʻ -9? 4 9# / 7 47# *4408=;:ʻ+0ʻ 0<9# 40;+* ;?ʻ*;ʻ*BA *490@?ʻ:8*;@ 9ʻ 47 BC98ʻ?*A?ʻ+7*+ʻ+79ʻ*;+7980<0 =# *?ʻ 0;:ʻ*?ʻ +ʻ ?ʻ 9;4 0?9=ʻ ;ʻ +?ʻ 49 # 89-0 -9?ʻ8*+798ʻR@ 4F Aʻ@C0;ʻ +?ʻ*5 ?ʼ >@+# *?ʻ+79ʻ?C 8*ʻ +9;=?ʻ +0ʻ>940B9ʻ9549;+8 4# +ʻ?00;ʻ 9*-9?ʻ +?ʻC8 ?0;# *;=ʻ0;49ʻ 899ʻ +ʻ*==?ʻ *ʻ B0-9B9;+ʻ0 ʻ C80:89?? 0;ʻ+0ʻ +7*+ʻ 0 ʻ 80+*+ 0;ʼ +79ʻ *++98ʻ*CC9*8?ʻ +0ʻ>9ʻ C80=@49=ʻ>Aʻ+79ʻ8*C =ʻ 0?4 *+ 0;ʻ0 ʻ+79ʻ ʻ *B9;+?# / 7 47ʻ +7@?ʻC98 08Bʻ+79ʻ @;4+ 0;ʻ 0 ʻ- >8*+ ;:ʻ 7* 8?ʻ 79ʻ?C 8*ʻ ʻ+?9 ʻ7*?ʻ;0ʻ B0+ 0;# 9+798ʻ0 ʻ40;+8*4+ 0;ʻ 08ʻ= *+*+ 0;# *;=ʻ+79ʻ*;+7980E <0 =ʻ*CC9*8?ʻ+0ʻ>9ʻC80C9 9=ʻ@C0;ʻ+79ʻC8 ;4 C 9ʻ0 ʻ+79ʻ 847 B9=9*;ʻ?489/# +?ʻ 0?4 E *+;:ʻ *B9;+?ʻ 4*@? ;:ʻ +ʻ+0ʻ89-0 -9ʻ0;ʻ +?ʻ*5 ?# *;=ʻ +?ʻ 79 40 =ʻ 08Bʻ=9+98B ;;:ʻ +?ʻ*=-*;49ʻ ;ʻ+79ʻ R@ =ʼ +79ʻ B089ʻ8*C =ʻ+79ʻ80+*+ 0;?ʻ *89# +79ʻ R@ 4F98ʻ ?ʻ +?ʻ C80E :89?? 0;ʻ 79ʻ *;+798 = *ʻ *89ʻ *440BC*;9=ʻ>Aʻ;@B980@?ʻ./"/.%-&'&5 / 7 47ʻ *89ʻ >8*;479=ʻ-98Aʻ ;9ʻ?@44@ 9;ʻ *B9;+?# 9- =9;+ Aʻ*=*C+9=ʻ+0ʻ89+* ;ʻ B0 ?+@89ʻ *80@;=ʻ +79ʻ*;+798 = @B# *;=ʻ+0ʻ *4 +*+9ʻ +?ʻ=97 ?49;49

79ʻ ' 7?4 ' ?ʻ*;ʻ9 0;:*+9=ʻ>@=# 40BC0?9=ʻ0 ʻ -*8 0@? Aʻ 08B9=ʻ 9*-9?ʻ+7*+ʻ 08Bʻ*;ʻ ;-0 @489ʻ+0ʻ +79ʻ *847 :0;*ʻ ;ʻ+79ʻ 49;+89ʻ ?ʻ *ʻ/708ʻ0 ʻ-98Aʻ ?B* ʻ 9*-9?# 40;?+ +@+ ;:ʻ $%'ʻ.'"#2%2'$#9 ʻ0 ʻ+79ʻ 8@ +ʻ 79ʻ*8479:0;*# ;@B>98 ;:ʻ H Mʻ G8*89 Aʻ I# 044@CAʻ+79ʻ 80@;=9=ʻ+0Cʻ 0 ʻ+79ʻ 98+ 9ʻ >8*;47 9+ʻ 0;9ʻ* 0;9ʻ 8 C9;?ʻ 79 8ʻ ?+8@4+@89ʻ ?ʻ ;9*8 Aʻ =9;+ 4* ʻ / +7ʻ +7*+ʻ 0 ʻ 0??9?ʻ*;=ʻ './$#2 ʻ F9ʻ +79ʻ *;+798 = *# +79Aʻ *89ʻ *440BC*;9=ʻ>Aʻ;@B980@?ʻ *B9;+?ʻG./"/.%-&'&5 B@47ʻ>8*;479=ʻ *;=ʻ-98Aʻ *44 =# ;+98 *49=ʻ?0ʻ*?ʻ+0ʻ89?9B> 9ʻ*ʻ 00?9ʻ*8*47;0=ʻ+ ??@9ʻ ?ʻ?00;ʻ*?ʻ*ʻ ;@4 9@?ʻ ;ʻ+79ʻ 4*- +Aʻ0 ʻ+79ʻ *8479:0;@Bʻ ?ʻ 98+ <9=# *?ʻ ;ʻ 0??9?# +?ʻ 49 ?8*C = Aʻ B@ + C A# 9?C94 * Aʻ*ʻ+79ʻ 0/98ʻC*8+ʼ ?00;ʻ +ʻ0C9;?ʻ;ʻC*??*:9ʻ*480??ʻ+79ʻ 00+ʻ0 ʻ+79ʻ *8479:0;@B# C98 08*+9?ʻ+79ʻ+0Cʻ0 ʻ+79ʻ?+9B# *;=ʻ*=-*;49?# 40;+ ;@* Aʻ B @ + C A ;:# +0ʻ+79ʻC *49ʻ /7989ʻ+79ʻ ;-0 @48*ʻ 9*-9?ʻ>9:;ʻ 7?ʻ49 @ *8+ ??@9# 0;49ʻ9?+*> ?79=ʻ / +7 ;ʻ+79ʻ8949C+*4 9# +7*+ʻ ?ʻ+0ʻ?*A# 0;ʻ+7*+ʻ C08+ 0;ʻ 0 ʻ+79ʻ ?+9Bʻ / 7 47ʻ ?ʻ +0ʻ 08Bʻ +79ʻ(3 7# #!/5=9-9 0Cʻ?0ʻ *?+# +7*+ʻ +ʻ>940B9?ʻ ;ʻ*ʻ 9/ʻ=*Aʻ?*ʻ79B ?C7989# 08* B0?+ʻ *ʻ>@ >#>9*8;:ʻ+79ʻ*>08+ -9ʻ *8479:0;*ʻ0;ʻ +?ʻ?=9?ʻ 79ʻ = *+9=ʻ+0Cʻ0 ʻ+79ʻ?+9Bʻ >940B9?ʻ +79ʻ -*:;@ *ʻ ʻ 4@?7 0;ʻ ?ʻ +79;ʻ=9-9 0C9=ʻ ;ʻ +7 ?ʻ C80+@>98*;49# ?0B9E + B9?ʻ *+ʻ +79ʻ >*?9ʻ 9-9;ʻ 0 ʻ+79ʻ *8479:0;@Bʻ +?9 # / 7 47ʻ ?ʻ +79ʻ 8@= B9;+ʻ 0 ʻ+79ʻ @+@89ʻ 4*C?@ 9ʻ 7?ʻ9;*8:9?ʻ / +70@+ʻ+79ʻ?B* 9?+ʻ47*;:9ʻ044@88;:ʻ;ʻ+79ʻ>0=Aʻ0 ʻ +79ʻ*8479:0;@B# / 7 47# ;ʻ 0??9?# *+ʻ 8?+ʻ9;*8:9?ʻ? B@ +*;90@? Aʻ / +7ʻ+79ʻ 9-0 @E + 0;ʻ0 ʻ+?ʻ40;+9;+?ʻ ?ʻ+79ʻA0@;:ʻ 8@ +ʻ8?9?ʻ*>0-9ʻ+79ʻ-*: ;@ *# +?ʻ 49 @ *8ʻ *A98?ʻ6 >940B9ʻB0= 9=ʼ+79ʻ0@+98# / 7 47ʻ?ʻ+0ʻ 08Bʻ+79ʻ4*C?@ *8ʻ/* ?# ?ʻ?+ ʻ? BC 9ʼ+79ʻ 0 0/ ;:ʻ *A98# =9?+ ;9=ʻ+0ʻ 08Bʻ+79ʻ?C08*;:@B# ?ʻ9R@* Aʻ? BC 9ʼ+79ʻ49;+8*ʻ49 ?# / 7 47ʻ89C89?9;ʻ+79ʻ40BB9;49B9;ʻ0 ʻ+79ʻ40 @B9 *# *89ʻ 00?9ʻ*;=ʻ+8*;?C*89;+ʻ ?00;ʻ +79ʻ 49 ?ʻ 0 ʻ+79ʻ *C?@ 9ʻ*;=ʻ 0 ʻ+79ʻ?C08*;:@Bʻ >940B9ʻ=0@> 9=ʻ*;=ʻR@*=8@C 9=ʻ>Aʻ -98+ 4**=-?0;ʻ 79ʻ/* ?ʻ0 ʻ+79ʻ0@+98ʻ *A98ʻ+7 4F9;ʻ*;=ʻ=*8F9;# *;=ʻ+79ʻ?C08*;:*

A98# / 7 47 89?+?0;+79 49;+8 08 40 @B9 *8+??@9# = - =9? ;+0 +7899 40;49;+8 4 C*8+?;+79 B == 9#0;0;90 / 7 47 +79 ?CO89?*89 =9-9 0C9=

79 08:*;/ 7 47 08B?+79 2/.08 2/!-.$"/;+8@9 0??9?#*;=/ 7 47 ?B989 A +79 +0C 0 +79 *8479:0;@B# =09?;0+ +*F9 *=9 ;+9 ?7*C9 ;.%/78/ 79 *8479:0;* / * ?C98? ?+@;+ +79 8@ + ?;9*8 A8 C9# / 79;+79 C8 B08= * 9;-9 0C9 0 +79 *++98 8@C+@89? 889:@ *8 A# *CO8+ 0;89B* ;?*++*479=+0 +79 >*?9#*;=+79 89?+# / 7 47 ?:7+ A*=7989?+0 +79 +0C 0 +79 4*C?@ 9#@?@* A * ?* / *A / +7 +79 0C984@ @B

79 4*C?@ 9 +79;89?+? BB9= *+9 A0;+79 -*:;@ *# / 7 47 ?@?@* A = ?40 = + ?9C*8*+9=)0B +79 C98 47*?+ @B >DL *C80 0;:*+ 0;0 +79 >8*;47# ?0 +7*+ +79 4*C?@ 9 8 ?9? *>0-9 +79 ;-0 @489" +7 ? * ?9 C9= 49 # / 7 47 ?;0+G*? ;0??9?I*;;+9:8* C*8+0 +79 4*C?@ 9# ?;*B9=.&'9)3.3)#9

79 4*C?@ 9 ?2C798 4* 08 0-0 =# 0 +9;>940B ;:0> 0;:>A +79 =9? 44*+ 0;0 +? 0@+98 + ??@9 %97 ?49;49 +*F9? C *49 >A *;0C984@ @B# / 7 47 40;? ?+? 0 *7O8 <0;+* 794+ 0;0 +79 @CC98 C*8+0 +79 4*C?@ 9 & 79;+79 4*C?@ 9# ;=8A ;:# 9 0;:*+9? *;=40;+8*4+?# +79 0C984@ @B ?=9+*479=/ +7**? :7+48*4F ;:#*;=+79 ?CO89?*89 95C9 9=>A+79 40BC89??9=* 8 / 7 47 7*=C9;9+8*+9=+78O@:7+79 ?+0B*+* ;+0 +79 4*C?@ 9 79 BO@+7 0 +79 4*C?@ 9 ? ?B00+7# / +7 ;0 +8*49 0 **"#87 08 .'"#&$3 #9

& 79;+79 8@ + ?C98 94+ A8 C9# +79 40 @B9 *40;+8*4+?+0 +79 >0++0B 0 +79 4*C?@ 9#*;=9*-9? +79 ?CO8*;:@B *++*479=+0 +79 ;;98 / * ?0 +79 * ++98 79 ?CO8 98O@? *A98 0 +79 ?CO8*;:@B C80=@49? 0@8?@449?? -9:9;98*+0;? bT8 BO+798 49 ?QJ >9 O89+79 ?CO89?*CC9*8"+79?9+79;>9 0;:+0 +79 +7:9;98*+0; 79A*89 0 +/0?7*C9?*;=9;?0;?) ?0B9 *89 +9+8*79=8* # / +7**40;-95 >*6#*;=89C8OE =@49 +79 C *;+ +79 0+79 ?# ; ;+9 A ?B* 98# O8B 89:@ *8 C0 A79=80;? M D"0 =*B9+98" +79?9 *89 * / *A? ?+9 = 9#

79 .:3$%/!!9&5 =9-9 0C9=;/ *+98 08 0;=*B C 9*8+7# ?*+ 8?+ *B9;+0@?*;=>8*;479=+79;+7989 *CC9*8# *+ +79 95+89B + 9? 0 0;9 08 B089 0 +? 8*B 4*+0;?# ?/9 ;:?# 40;?+;:0 -9? 4@ *8 49 ? 40;+* ;;:* B@4 *:9# ;/7 47 :899;:8*;@ 9? 0*+" +79?9 *89 8@= B9;+*8A C *;+? ! :=98 0+798 4 84@B?+*;49? +79?9 +@>984 9? >940B9 +8*;? O8B9=;+0 +7* O8B 0>9=95C*;?0;?# ;+79 ? ;@? 0 /7 47 A0@;:C *;+? *89 * ?0 =9-9 0C9=G .%/789 /29 :3!#9 45 ;>0+7 4*?9? 894* ;:+79 B0=9 0 :98B ;*+0;0 A./$#2<5 C8OC98 A?0 4* 9=#*;=0 987'" /88#'2'

1.7+*4:

15 > 8.,5. 2/:0/=52*-6,64603 7 6/,;0 2 2--0-7 7*3 2 8.,5.6.0 50 0;/7603:4-02 2+,-6 5.,:10/*28*:790-7 -017/760 7:,=7/0',* 756 ,*60/:03,760 ;0680 0* ; 5 7*3 2--0- .0=711/275.6.0 2/:0/',*6.0,/:230 2 +0/:,*76,2* 7*3 ,*6.0 07/=-67+0-2 6.0,/+/286.,*6.0 2/:2 6.0:70 ,* 260-50*50 6.0 -6/4564/0 2 6.0 7*6.0/,3,7 7*3 6.0 7*6;0/2M2,3-7*3 ,* 6.0 7;-0*50 2 7 *2/:7 57 =16/7J 8.,0 6.0=7/0 52**05603 8,6.: 2/ 6/40 2--0-;=6.0 -6/4564/0 2 6.0 -60:7*3 07?0-6.0:230 2 /7:,,576,2*6.0 3,-52,3 ?7+,*4 7 6.0 ,:10/ 056 57 =16/7 7*3 6.0 3,:2/1.24--12/0-

15 > 1/0 0/606*10/760 7*3 52 3 524*6/,0-J 6.0=25541=7*,::0*-0 0G60*6 2 :7,C-.7*3 ,*6.0 *2/6.0/*.0:,-1.0/0 8.0/0 6.0,/ /0:7,*-7554:4 7603 2/ 50*64/,0- 2/:64/ 7 ?7 47;0 40 ,* 24*6/,0-8.0/0 8223 ,-87*6,*+ 6 ,- ,* 6.0 :7/-.=6/756- ,*.7;,603 ;= 15 > 6.76 6.0 0 0:0*6-

2 ' 7' . ,+ . 0/' ?0+0676,2*' 7/0' +/7347 =' 0-67 ; ,-.03J 5 ' 7*3' R ' 76' ,/-6' 6.0*' L ('
' 387/ ' O , 28 - ' 7*3' 76' 7-6' ,*0-' ,/5.0-' "5
2 : 0' -105,0-' 2 ' 15 (' 8 . ,5 . ' 7 ; 24*3' ,*' 6.0' 2 7/' -87 : 1-' -0/?0' 7-' 223' 62' 6.0' /0,*300/ '
,*+ 03' 8 ,6 . ' /0,*300/#-' . 7,/' 6.0=' 7/0' 4-03' 2/' -64 ,*+' : 766/0--0-' 15 > (',-' /0>40*6 =' -03' ,*' 2 /'
. 26 . 24-0-' ,*' 6.0' 54 6,?76,2*' 2 ' 50/67,*' 01,1 . =67 ' & : ' 62' 8 . ,5 . ' ,6' -0 ?0-' 7-' ,6' 80,0' 2/' -2, ' ; ='
9001,*+' 6.0,/' /226-' 7 87=-' : 2,-6

) ' + * ' ! (' ' : ' 7 ' ' ' 6

'!!9!/'" 23$-!')38&5' '#$%'!" &$' !'&&' <#$%' '-'' .#48-' 3:$'8')#2%3$3 39&' :"38)&A'
:9"8#&%')' 3'" $(3$' <#$%' 8'"('&J 3'" <#$%' !'/:-' &$' &' " 1 ' / ' 38#%'"#)#/'
/8)' /"2%'738#/' " ' 3 :' $%'':"9#$' D2/!-.$"/ ' "9.$9"#87' 2)' $%'' $3.5' /8)' . '"&#&$'8$'
/$' $%'' , /&'' 3 :' $%'' . ')#2'!' / ' 2/.&9!/"5' 9&9/!!-' \>(/!(')5' 8'/"!-' /!</-&'/223 K
./8#')' %-' '!/$'"&' ' ('"-' 89 '"39&' ⊵

B* ' *; ;@*' 08' C989; ; * #' @?@* A' -98A' =9 4*+9' 2 4' 90BC0?9=' 0 '*' 49 @ *8'
+ ??@9#' :9;98* A' C80?+8*+9#' 8OO+ ; :# ; 7*> + ; :' ?7*=A' *; =' =*BC' C *49?' " '
:899;#' - 0 9+' 08' >80 / ;# ?0B9+ ; 9?' 95C*; =9=' *?' B9B>8*; 0@?' C *+9?#' 0 *490- ?#
0>9=#' ?+0B*+ 980@?#' ;98-9 9??#' 08' +8*-98?9=' >A' *' ;98-9' 08B9=' 0 ' 9 0; :*+9=' 49 ?"
?0B9+ B9?' @8; ?79=' / +7' *' ? BC 9' 08' >8*; 479=' 9* A' *5 ?' ' B9B>8*; 0@?#
@?@* A' = ?+ 470@?# 0 +9 ;' 9 ; + 89# 0>9=' 08' =9 ; +*+9# ?0B9+ B9?' =99C A' = - =9=# 89E
R@9 ; + A' *440BC*; 9=' >A' *449??08A' ?+ C@ *8A' 9*-9?' ; *B9=' ?+ C@ 9?' 0 ' *BC7 : *?+8 * '
' 0 ' ? BC 9' >89?# +@>@ *8# / 7 +9' >80 / ;' 08' C@8C ?7# +8*; ?C*89; +# ?4*++989=' 08'
; ' ?B* ' +@ +?# *; =' ?C8 ; : ; :' 80B' +79' 0 / 98' ?@8 *49' 0 ' +79' 80; =?# ?0B9+ B9?' 80B'
+79' >*?9' 0 ' +79' *BC7 : *?+8 *
. 0' ' 7/0' : 2*205,24-' 2/' 3,205,24-' -2 : 06, : 0-' -4*9' ,*' 6.0'
6.,59*0--' 2 ' 6.0' /2*3' G #2)/5' " 5 FJ -2 : 06, : 0-' 1/2 056,*+' 7; 2?0' 6.0' /2*3' 7*3'
2 60*' 103,50 03' D + /"2%/8$#/ ' $ ' 2; 2*+' 2/' -1.0/,57 ' 2/ : 03' 2 ' 7' -,*+ 0'
7=0/' 2 ' 6/7*-17/0*6'50 -' ' 6.0=' 2*67,*' 7' : 45, 7+0' 8 . ,5 . ' ; 052 : 0-' 2/+7*,M03' ,*62'
3,-52,3' ?0/=' - : 7 ' 7*3' 30 ,5760' 50 -' J 8.0*' /,10 ' 6.0' 7*6.0/,3,7' /4164/0' 2/' 30.,-50'
6/7*-?0/-0 =' 76' 6.0' 621 ' 7*3' 0G10 ' 7' 7/+0' *4 : ;0/' 2 ' 6.0-0' 3,-52,3' 50 -' 8.0*50'
52 : 0' 246 ' 7 60/' 7' 08' -052*3-' , , 2/ : ' 7*6.0/2M2,3-' 52, 03' ,*' 7' -1,/7 ' 7*3' ; 07/,*+'
76' 6.0,/' 0G6/0 : ,6=' 682' 0G50--,?0 =' - 0*30/' 6./073-
79' ' C8949=9' +79' *CC9*8*; 49' 0 ' +79' . '"#/8$%5' *; =' *89' @?@* A'
0@; =' 40 94+9=' *+' +79' +0C' 0 ' +79' C8 ; 4 C*' *5 ?# 08' 0 ' +79' *+98*' >8*; 479?# 08' *+' +79'
*5 ?' 0 ' +79' *BC7 : *?+8 *' G /!-.37'#/5 + /&$#73,"-9 É +79A' *89' @?@* A' 9; 4 0?9=' ;'
*' C94@ *8' 08 : *;' 89?9B> ; :' *' / =9 B0@+79=' 4@C' +79A' *89' 49 @ *8' ?*4?# @?@* A'
; *880/9=' ; +0' *' ?+A 0 =' C8049??# 47*; ; 9 9=' +780@ : 70@+' +79 8' 9 ; : +7# / 7 47# *+' *'
498+* ;' C98 0=# 8@C+@89?' *+' +79' +0C' +0' *=B +' +79' *4+ 0;' 0 ' +79' * ; +7980<0 =?' 79'
>80*=9?+' C*8+' 0 ' +79' ?*4' 40 ; +* ;?' 0 ; 9' 49 ' *8 : 98' +7*;' +79' 89?+# +79' 892!' 9&É ?00;' +79'
; @4 9@?' ?' = - =9=' ;' + / 0' >A' *' 708 <0 ; +* ' ?9C+@B' +79' 0 / 98' 7* ' 08B?' +79' C9= 49'
D&'$/ 5' / 7 47# / 79 ;' +79' 4*C?@ 9' ?' 8 C9# ?' @?@* A' / 7 +9' * ; =' +8*; ?C*89; +# 0 +9 ;' -98A'
?708+# *; =' / 7 47' >A' C@?7 ; :' +79' ?C08*; : @B' >9 089' +# 8@C+@89?' 889 : @ *8 A' +79

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*;=' ?CO89?'
ĠB*: I

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'! '

" 98+ 4* '?94+ O;'O '*'4*C

'5 " -5 ' , #
>9*8 ; :'*'4@C; 4' / +7'>@ > ?'ĠB*: I

' '

'5 " 5 ' ' " 98+ 4* '?94+ O;'O '*'CO8+ O;'O '4*C
, '4*- + 97'=9C8 -9='O '*;+798 = *' '* 8 47*B>98?'40B B@; 4*+ ; :'# / +7'
+79'O@+? =97'>A'1 '?+OB*+*'ĠB*: I

'5 " 5 '
'ĠB*: I

'5 " 5 '
@C 9' / +7'>@ > ?'ĠB*: I 8OF9;'*;+798 = @B'ĠB*: I

4 > "" ' ' 'E

@ &(" ’ 5 (’
O@;:’; O89?49;49’
ĠB*: I ’ G 899; *;= I’
8 ’C98 *;+7’ ’
*♯ *;+798 = @B’ ’
*8♯*8479:O; *

< > ’ 5 5 "" ’
"98+ 4*’?94+ O;’ O ’*’ T\ 8949C+*4 9
ĠB*: I’ G 7@89+ I

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8 "" ' 5 b 5A
94+ 0%' O ' 8O ; =♯?>0; 6 @:' * ;' O@+ 48 = ; B' ☾B * : I

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D ' ; *+@8* '? ?9'' 'B * : I

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OC' O 'C9= 49 ' ☾B * : I

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94+ O ;' O '6 8@4+ 98O@?'>8* ; 4U8

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98+ 4* ' ?94+ O ; ' O '?*4♯ ?7O / ; : '
+79 "*8479 : O ; @B '

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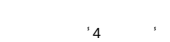
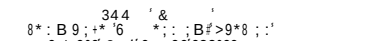
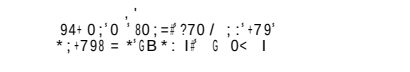
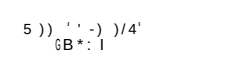
8479 : O ; B ; ' ☾B * : I ' '
☾ O++?4 9 P J L

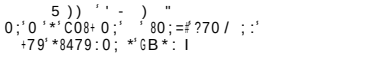
'/ '
O@ ; : ' * ; +798 = @B' ☾B * : I♯
☾5O<9 I J 6











4110/ 17/6 2 6.0 :0:;/7*24- -75 2/ 2/!-.$"/ 6.0 ;7-0 2 6.0 75 10/-,-6- 7*3 2/:- 7 -.076. D(/7#89$/ 7/24*3 6.0 ;7-0 2 6.0 103,50

79 (! @?@* A 0C9;? ; 0@8 -* -9?# -98A 8*89 A B089# 08 >89*F? 889:@ *8 A G 3&&3 %"38#/ ; 8$%32'"3& + ? +8*-98?9= >A *' 49;+8* 23!9 '!!/ 40;+* ;?)1 H?+# -98A 9 0;:*+9= 49 ?# @?@* A @? 08B# ?0B9+ B9? +8@;4*+9 B "9!!/8#/ ' '98#/ 5 /7 47 *89 @?@* A 899 *+ +79 =97 ?49;49 0 +79 ?C08*;:@B# >@+ B*A >9 *++*479= +0 +79 + C? 0 +79 -* -9? G "9!!/8#/5> ') /5 8'9"/5 + '$J7'"#/ 5 H' C*8+ * A *=7989 +0 +79 >0++0B 0 +79 ?C08*;:@B G '! / E +79?9 49 ?# 4* 9= 9 *+98?# 40;+* ;# C89??9= *:* ;?+79 8 / * # *' ?B* =*8F 40 0@89= 8 >>0; ; *' ?;:9 G 8'9"/ 08 =0@> 9 ?C 8* +79 9 *+98?# >A +79 8 +/ ?+ ;: B0-9B9;+# ?98-9 +0 = ?E ?9B ;*+9 +79 ?C0 8 9 ? ;=# ?C7980 = B0+798 49 ?# / +7 ; 9*47 0 / 7 47 *89 =9-9 0C9= 0@8 ?C089?# / 7 47 *89 ?9+ 899 >A +79 *>?08C+ 0; 0 +79 B0+798 49 ? ; :98B E ;*+ 0; +79 ?C089 9B +?* ' ?B* 49 @ *8# C80+7* @?# / 7 47 89C80=@49? +79 C *;+ '. /$#''3'5 >9? =9? ?95@* 89C80=@4+ 0;# 4*; 9 C80C*:*+9=# F9 0??9?# >A >@=?# 08 ."3./79!/5 /7 47 *CC9*8 0; +79 ?@8 *49 / B*8:;? 0 +79 80;= 79A *89 49 @ *8# 80@;=9=# C0 AB08C70@?# ?0B9+ B9? +0 98*> A *8:9# *;=*;*0:0@? +0 >@ > ? ; ?0B9 4*?9? G !/&#/ 5 +79?9 C80C*:@ *' 044@CA 0-0 = C0@479?# 70 0/9= ; +79 ;98-9 *;= +0C 0 +79 80;= ;9 8*+798 4@8 0@? 95*BC 9 0 +7 ? B0=9 0 C80C*:*+ 0; ? B9+ / +7 ; +79 +8 >9 0 + /"2%/8$#'2' ; +79 ?@8 *49 0 +79 80;= ? 0 ?0B9 ?C94 9? 0 + /"2%/8$#/ *89 ?99; 0 *490@? B9B>8*;0@? 4@C?# / +7 9;+ 89 08 9 9:*;+ A 8;:9= B*8: ;?" *+ +79 >0++0B 0 +79?9 4@C? *89 0-0 = 08 9;+ 4@ *8 >0= 9?# 40BC0?9= 0 :8*;@ *8 49 ?D +79?9 ++ 9 >0= 9? *89 *+ 8?+ 59= +0 +79 >0++0B 0 +79 4@C >A *

?B* 49 / 7 47 ?98-9?* *?* *= C9= 49 ;= 989!/"#/5 / 7 47 40-98?* + 9= =*BC= 9*8+7* 0 0@8 : *8=9 ; ?# +7 ?= 4@C 89?9B> 9?* *;= *8479=- -*?9# 08 *= ?9B 4 84@ *8 >*?F9+# / 79;49 +?= ; *B 9 0 !989!'

$'./$#22'= 7/0 ?0/=- *764/7 =- +/24103 7552/3,*+- 62 6.0,/ ?0+0676,?0 2/+7*- 2:0 1/0-0*6 76 3,5.262:24- :0:;/7*24- /2*3- 711/0--03 62 6.0 -2, ; ;= :07*- 2 /226 06- 7*3 4-47 =*2/?0 0- -.46 4/*,-.03 8,6.-62:767J :2/0 /7/0 =6.0 :0:;/7*24- /2*3 68,-6- -1,/7 =7/24*3 7 -2/6 2 7 K,- 2/:03 ;=6.0 *0/?0 D #'!!#/ 6.0/ !#Q/$#2$ .7?0 7 -,:1 0 2/;/7*5.03 1/2-6/760 2/ 0/056 -6,4* 7*3 7/0 4/H *,-.03 8,6.6/40 07?0- .0-60:-2:06,:0- 5/001- 2?0/6.0 -2, 0:,66,*+ /2*3- 76 3, ,4C0*6 3,-67*50- 7*3 6.0*- ,:4 760- 7 /.,M2:0 2 /4**0/ G $/7' / .0 /7:,,576,2*= ,- 4-47 =3,5.262:24- *- ,* =52123- 7*3 0/*-J ;46 2*0 2 6.0;/7*5.0- ,- -2:06,:0- 7//0-603 2 5.7*+03 ,*62 7 -052*37/= ,7+0 , 2/:;/7*5.06

.0 07?0- 2 6.0 574 0-50*6 !'./$#2/ 7/0 0G6/0:0 =?7/,03 ,* 2/:;46 7/0 *0?0/6.0 0--2 5.7/75H 60/,-6,5 ,* 075. +0*4- 7- 62 0*7;0 ;267*,-6- 62 30-5/,;0 6.0 -105,0- 8,6.246 -00,*+ 6.0 /01/2345 6,?0 2/+7*- .0-0 ,66 0 07?0- 8,6.246 *0/?0- 2/ -62:767 7/0 2112-,60 2/ 7 60/*760 7*3 6.0,/ ,*-0/6,2* /0-0:;0- 6.76 2 '%7#8'!!/ -47 =6.0= 7/0 *07/0/ 6.0 4110/ 6.7* 6.0 280/ -4/ 750 2 6.0 -60:7*3 ,* 6.0 ,*60/?7 -7/0 -00* 64/*03 6287/3- 6.0 -2, 7 6.,/3 -0/,0- 2 -:7 0/ 07?0- 2;,>40 =,*-0/603 *7:03 /.%9 /&$"#/D2/ -6,14 0-F O .0*6.0 07?0- 7/0 7 60/*760 6.0 -1,/7 7//7*+0:0*6 ,- /2:/,+.6 62 0 6 D 8#!!/8#) A 2/ /2: 0 6 62 /,+.6 D 3.%323!') .0 07?0- 7*3 7:1 ,,+7-6/,7 7/0 7 87=- -0--,0 J ;46 6.0 07?0- 7/0 *26 7 87=- ,76 7*3 -1/073,*+ J 6.0=.7?0 2 60* 2* 6.0,/ 4110/ -4/ 750 7 5/0762/ 7110*H 37+0 8.,5. 2/:-7 -2/6 2 '8,*+ D 3$%2%'/ 5 2/ 6.0= .7?0 7 - :7 ;7-7 /7,-03 2 3 G $ '98#/ 5 2/ 7 -2/6 2 '1245.'210* 76 ;26.' 0*3- G "9!!/8#/ .0-0 :23, ,576,2*- 6.24+.7117/0*6 ?0/= - ,+.6 7 056 7 6.0 -105,0- 2 6.0 +0*4- 7*3 6.0 2/:2 6.0-0 1245.0- ,- 52*-67* 6 ,*6.0 -7:0 -105,0-

.0 07?0- 2 $ 7'" #' 7/0 -2 7//7*+03 6.76 6.0 ,*0- 2 ,*-0/6,2* 2 '682 52*-0546,?0 07?0- 52*?0/+0 7*3 /01/0-0*6 7* 0/056 2 /0?0/-03 *8$%32'"3& 6.0 ?0+0676,?0 -=-60:52*-,-6- 2 7 -,:1 0 :0:;/7*24- 0G17*-,2* -1/073 412* 6.0 07/6.

.0 2/:7*3 12-,6,2* 2 6.0 10/,7*6.7?0 -411 ,03 7 :06.23,57 3,?,-,2* 2 6.0 574 0-50*6 './$#' 2 6.0 +/241 2 987'" / ##'2' .,- 10/,7*6. 8.,5.,- ,30*6,57 ,* -6/4564/0 8,6. 6.0 07?0- 2/:- 7 541 2 - :7 4/*-2:06,:0- 52*6/7560 3 76 6.0 621 8.,5.,* 6.,- 57-0 ,- /4164/03 62 7 28 6.0 17--7+0 2 6.0'-12/7*+,4: 46 6.,- 30.,-50*50 1/0-0*6- :7*=:23, ,576,2*-@ ,6 /0-4 6- ,* 24/ *07/=0>47 -0+:0*6- ,* + /"2%/8$#/E ,* *4:0/24- -6/,1- ,* # ,"#/"#/ .0 10/,7*6. /0:7,*- *07/=0*6,/0 7*3 57:17*4 760 ,* '98#/E ,6 ,- 5= ,*3,,5 ,* :7*=6/40 987'" /88#' E #$,- 7;-0*6 ,* -2:0 +0*0/7 7*3 /01 7503 ;= 07?0- ,* - 83 #$"#9 5 O ,6. 6.0 0G5016,2* 2 + /"2%/8$#/5 # ,"#/"#/ 7*3 "'#&&#/5 ,6 ,- 7;-0*6 ,* 6.0'6/,;0 2 + /"2%/8$#'2' .0 103,50 8.,5.;07/- 6.0 -12/7*+,4:',-7 87=-5= ,*3/,5 50 4 7/ ?0/= 30 ,5760 4-47 =6/7*-17/0*6 7*3 52 24/ 0--J ,6-+/286.,- 2 60* ?0/= /71,3

:2-6 './$#3/6.0 10/,+2,,,:_,* 2/0-50*50S 52*67,*-;46 2*0 7/5.0+2*,4:G /"2%/8$#/5 "5F *987'" /88#'2' ,6 7 87=- 52*67,*- 0?0/7 7;46 2*1 2 8;,5.7/0 7;2/6,?0J ,* /"23 -.%9/ 682 2/ 6./00 7/0 30?0 2103 .0*7:0.'"#2%#&$#9 3?.'"#2%'$#/!'!'/('&,-+,?0*'62 6.0 2460/0*?0 210 2/,*?2 45/0 2 6.0 10/,7*6. .0 10/,5.006,4:2/,+,*7 =0*?0 21- 6.0 7/5.0+2*,4: 8,6.,6- -6= ,2/:7110*37+0J 6.0 10/,+2*,4:,- 2/:03 7 60/87/3- *' /!-.37'#/5 /".8$%9&5 "5 6.0/0 ,- 2* =7 10/,+2*,4:7*3 *2 10/,5.-0,4:J 8.,0 ,* - 83 #$"#9 5 2%#& /5 '25 6.0/0 ,- 7 10/,5.:6,4:7*3 *2 10/,+2*,4:

.0 7*6.0/,3,7 2 './#2 80/0 ,/-6 2;-0/?03 ;=5.:,30 2*' 987'" /88#/.9&#!!/5 DA 3&&3 ,"38#/ *6.,- ,66 0 1 7*6 6.0 7*6.0/,3,7 7/0 /00 -.2/6=103,50 03 7*3 1 7*603 2* 6.0 50*6/7 *0/?0 2 6.0 /2*3 .0 50 -2 ,6- 87 -52*67,*;/,+.6=0 28 +/7*4 0-8.,5.574-0 6.0 7*6.0/,3,4: 62 /0-0:;0 7 +/7,* 2 12 0* O .0*6.0 7*6.0/,3,7 7/0 4 =30?0 2103 6.0 621 50 -;052:0 :7/903 = 64/+,3J 6.,-,*3,5760- 6.0 :2:0*6 2 30.,-50*50 .4/06 /2: 8.2: 80 .7?0 6790* :2-6 2 6.0-0 3067,- .7-2;-0/?03 6.0 2 28,*+ 1.0*2:0*7 J 6.0 50 -8.,5. 2/:6.0 4110/.7 2 '6.0 7*6.0/,3,4: -4330*=;0*3 ,* 6.0 2112-,60 3,/056,2* 62 6.76 1, 0?,24-=25541,03J 7 52:1 060 3,-52 2/76,2* ,- 6.0 00-4 6 7*3 6.0 52*60*6- 2 6.0 7*6.0/,3,4: 7/0 -06 /00 8.0* 7 :0:;/7*0 2/ 546,5 0 52?0/,*+ 2/ 52**056H ,*+ 6.0 50 -;052:0-?,-,;0 .0 7*6.0/2M2,3- 7/0 0G,;0 4/*,-.03 8,6. 682 .7,/- 7*3 6.0 7/5.0 +2*,7 7/0 ,* 4G6712-,6,2* 8,6. 6.0 7*6.0/,3,7 *6.0 6/,;0 2 + /"2%/8$#'2' 6.0 7*6.0/,3,7 25541= 1054,7 /0501675 0- 2 '?0/= ?7/,03 2/:J -2:06,:0- 6.0= 7/0 ,66 0 103,50 03 3,-9- 8,6. 87?03 03+0- G+ /"2%/8$#/.3!- 3".%/ 5 2 7/0 -0--,0 2* 6.0 :7/+,* 2 '6.0 /2*3- G '7/$'!!/ 238#2/ 5 2 6.0= 2/:- :7

7110*37+0-' 7 2*+' ;26 ,' : 7/+,*-' 2 '6.0' /2*3' D /"7#38#) ' 76' 8.760?0/' 6.0,/' 2/ : ' 6.0' /0501675 0-' 7 '7+/00' ,*' 1/0-0*6,*+' 7'6,--40' 8,6.' 7' : 7 : , 7603' -4/ 750 '6.0' : 7 : , L' 52//0-12*3,*+' 62' 7*' 2?2,3' 7*6.0 ' /,3,4 :' , : : 0/-03' ,*' 6.0,/' 17/0*5.= : 7' 7*3' 52 : : 4*,576,*+' 8,6.' 6.0' 246-,30' ;=' 7' - : 7 ' 57*7' 8 .,5.' 7;46-' 7+7,*-6'6.0' 621' 2 '6.0' : 7 : , 7 ' .0-0' 7*6.0/,3,7' 52*67,*' : ,*460' 50 -' 8 .,5.' 7+7,*' 52*67,*' 7*6.0 ' /2M2,3-J 6.0-0' 3, 0/' /2 :'6.2-0' 2 ' 3&&3 ,"38#/' ,*' 6.0,/' : ,*460' -,MO '6.0' -.2/6*0-' 2 '6.0,/' ;23=' 7*3' 6.0' 0G6/0 : 0' 60*4,6=' 2 '6.0,/' ?,;/76,*+' .7,/-

.0' -12/7*+,7' ,90' 6.0' 7*6.0/,3,7' 7/0',: : 0/-03',*' 7' 52 : : 2*' /0501675 0' D+ /"2%/8$#+ ' J -2 : 06,: 0-' 6.,-' /0501675 0',-' 52*,57' D '7/$'!!) ' 2/' .0 : ,-1.0/,57' G ',39) ' *' 989!/"#/5' 6.0' ?0+0676,2*' 2 ' 8.,5.' ,-',30*6,57' 8,6.' 6.76' 2 '6.0' 1/0503,*+' +0*0/7' 6.0' -12/7*+,7' 7/0' 64;4 7/' 24/' ,*' *4 : ;0/' 7//7*+03',*' 7' 5/2--' 76' 6.0' 621' 2 '6.0' 103,50 ' *' 987'" /88#/' 6.0' -12/7*+,7' 76' ,/-6' 2?2,3' 2/' -1.0/,57 ' 210*' 8.0*' /,10' ,*62' 24/' ?7 ?0-' ;07/,*+' 6.0' 0 760/-' ,*' 6.0' : ,33 0 ' .0' 0 760/-' 7/0' 87*6,*+',*' 6.0' 6/,;0' 2 ' #'2#'/5' 7*3' 7/0' ?0/=' /43,: 0*67/=',*' 8$%32'"'/

.0' -12/0-' ?7/=',*' -,MO' 7*3' 71107/7*50J 6.0=' 7/0' 2?2,3' 2/' -1.0/2,37 ' - : 226.' 2/' +/7*4 7/' 2/' 05.,*4 760

! ' ' +

9* 9??# 08' *8; ? 9=' / +7' ?+9B' *;=' 9*-9?' 8479:0; *' *;=' *;+798 = *' =9-9 0C9=' *+' +79' 95+89B +A' 0 '+79' ?+9B ' C08*;: @B' @8; ?79=' / +7' 9 *+98?#=9C8 -9=' 0 '40 @B9 *

Q B !/8$&'!3#$%' '/('&

!4*+0/ : 7**,7	/4 7*,7	0257 =G	5.,- : 7
266-5.07	7/52-5=1.4-	/,5.2 07	0*36*0/7
21.252 07	7 =12+0,7	= : *2 : ,6/,4 :	04/7*6.0
0 04*,7	7552+=*7		

Q O !/8$&'<#$%39$' '/('&

0 ,7	2--2 : ;/2*,7	*04/7	7-,7
=6,7	06M+0/,7	= : 1.=2+=*7	

! ' ' + +

80;=' *;' 889:@ *8' +7* @?' 08' 9* A' ?+9B ' C08*;: @B' ?0 +*8A#0C9; ;:' 9;:+7E / ?9#=9C8 -9=' 0 '40 @B9 *#9 *+98?' 4*88 9=' * / *A' / +7' +79' ?C089?

2*25 07 7 2./=4 :

! ' 6 ' + +

80;=' 08' +7* @?' = 470+0B0@?#+8*-98?9=' >A' *' B9= *;' ;98-9 ' 8479:0; *' *;=' *;+798 = *' BB98?9=# 08' ?@C98 4 *' *;=' ?9?? 9 ' C08*;: @B' / +70@+' 40 @B9 *' 08' 9 *+98?

,55,7' ,55,0 7' ,0 ,7' G= : ,6/7' 2/-,*,7' 1.-0/257/14-

Y%$) ‘

1 ! ‘ 6< ‘ + A

/2*3‘ 2/‘ 6.7 4-‘ ,//0+4 7/‘ 8,6.‘ 0 : 7/+,*760‘ 3,?,-,2*-‘ 7*3‘ *2‘ : 03,7*‘ *0/?0‘ /5.0+2*,7‘ 7*3‘ 7*6.0/,3,7‘ ;2/*0‘ 2*‘ 6.0‘ 280/‘ -4/ 750‘ 2 ‘ 7‘ 10 6760‘ 103,50 03‘ 3,-9‘ 7/,-,*+‘ ,*‘ 7‘ *265.‘ 2 ‘6.0‘ 6.7 4-‘ 12/7*+,4 :‘ 4/*,-.03‘ 8,6.‘ 0 760/-‘ ;46‘ 8,6.‘ *2‘ 52 4 : 0 7

‘

7/5.746,7	6.7 7 : ,7	0;24 ,7	4?7 ,7	2*2-2 0*,4 :
4 : 2/6,0/7	7+,25.7- : 7	/0,--,7	= : 7623,4 :	-9012-
444 7/,7	/, : 7 3,	0+760 7	7/+,2*,7	*6/2501.7 4-
7460/,7	, : ;/,7/,7			

! ‘ ‘ A

/2*3‘ 2/‘ 6.7 4-‘ ,//0+4 7/‘ 8,6.246‘ : 03,7*‘ *0/?0-‘ /5.0+2*,7‘ 7*3‘ 7*6.0/,3,7‘ 3,-10/-03‘ 2?0/‘ 6.0‘ 6.7 4-‘ 12/7*+,4 :‘ -, ,54 2-0‘ T ?7 ?03‘ 4/*,-.03‘ 8,6.‘ 7‘ 50*6/7‘ 52 4 : 0 7‘ 52?0/03‘ 8,6.‘ 0 760/-

‘

Ÿ *6.250/2-‘ 26.26= 4-

‘./$#2 ‘3, 0/‘ /2 :‘6/40‘ 2--0-‘,*‘ .7;,6‘,*‘6.0‘57 =16/7‘;/079,*+‘76‘6.0‘621‘7*3‘-.076.,*+‘6.0‘;7-0‘ 2 ‘6.0‘ 103,50 -‘7*3‘,*‘6.0‘-6/4564/0‘2 ‘6.0,/‘ -12/7*+,4 :‘ 8,6.246‘ 210/54 4 : ‘7*3‘ 4-47 =‘ 7552 : 17*,03‘ ;=‘ 0 760/-‘ .0=‘7/0‘ 52**05603‘ 8,6.‘ .%/78/‘;=‘6.0,/‘ :230‘ 2 ‘ +0/ : ,*76,2*‘6.0‘ 2/ :‘ 2 ‘6.0‘ 7*6.0/,3,7‘ 7*3‘6.0‘7;-0*50‘2 ‘7‘*2/ : 7‘571‘2/‘57 =16/7‘ O 6‘ .%/78/‘7/0‘3,-6,*+4,-.03‘;=‘6.0,/‘.7;,6‘6.0‘ 2/ :‘ 2 ‘ 6.0,/‘ /7*+,4 : ‘8.,5.‘,-‘7 87=-‘ 4/*,-.03‘8,6.‘7‘ 52 4 : 0 7‘ 6.76‘ 3,-71107/-‘76‘ : 764/,6=‘6.0,/‘3, : 2/H 1.24-‘Z-12/0-‘ "

2-6‘2 ‘6.0‘+0*0/7‘7/0‘52- : 212 ,67*‘E -2 : 0‘1/0 0/‘60 : 10/760‘2/‘52 3‘/0+,2*-J ;46‘ 3$$&2%‘/5 %-&/>‘ 8/8$%3&5‘ 3!-3$ 5‘ "0‘7/0‘1/,*5,17 =‘6/21,57 J /"7#38#/‘,-‘0G5 4-,?0 =‘60 : 10/760‘J - /$3)#9 ‘+/28-‘ ,*‘6.0‘ *6, 0-‘ 82 6.,/3-‘2 ‘ #22 /‘.7?0‘;00*‘2;-0/?03‘,*‘ 4/210‘ 2-6‘ 8$%3‘‘"‘‘‘5‘7-‘80‘7-‘6.0‘ /0-6‘2 ‘6.0‘ 7:,=‘7/0‘3,-10,-03‘2?0/‘6.0‘82/3‘ 2:0‘ ‘./$#22‘‘ .7?0‘7‘?0/=‘-6/2*+‘1054 ,7/‘2324/‘ 52* ,*03‘62‘50/67,*‘-105,0-‘2 ‘8.,5.‘6.0=‘7/0‘ .7/7560/,-6,5‘7*3‘7‘ -2 : 08.76‘75/,3‘67-60‘ .0P‘7*5,0*6-‘ 22903‘412*‘ + /#2%/8$#/‘.3!- 3$.%/‘ 7-‘ 7‘/0-2 ?0*6‘ : 03,5,*0‘7*3‘0 : 1 2=03‘C,6‘,*‘ 3,-07-0-‘2 ‘6.0‘ ,?0/‘ + ‘2%A83.3)/‘.7-‘7‘-, : , 7/‘/014676,2*‘,*‘6/21,57‘ : 0/,57

) ‘ 5‘ 9&&#‘9

‘!!9!/"‘.‘"‘88#/!‘ 23$-!‘)38&5‘7"3<#87‘ 38‘ $%‘‘ 7"398)5‘ &$38‘&5‘ %/"%5‘ $%‘‘ !‘/('&‘ 3:‘ 3$%‘"‘.!/8$&5‘/8)‘‘('8‘38‘3$%‘"‘ #2%‘8&‘ % / ‘ 2 / ‘D6.7 4-F‘.3!- 3".%39&5‘ #""‘‘79!/"5‘&."‘/)#87‘3"‘ ‘"‘2$5‘(/"#‘)‘#8‘ &9,&$/82‘‘ /8)‘ 23!39"‘‘ " ‘ / ‘ 3:‘ $<3‘ &3"$&@ D F‘D7126.05,7F‘&#$9/$‘)‘38‘ $%‘‘ &9":/2‘‘ 3"‘ /"7#85‘3"‘ # ,‘))‘)‘ #8‘ $%‘‘ $%/!!9&5‘ (/"#‘)‘ #8‘:3" ‘ /8)‘ 23!39"5‘ 23 .3&‘)‘3:‘&.3"/87#/‘ D6.05-0F‘ 238$/#8#87‘ TB22‘ &.3"‘&E‘ DTF‘&.‘" 3738#/5:3" ‘)‘3:‘&.%‘"#2/!‘2382‘.#/2!‘&‘# ,‘))‘)‘#8‘$%‘‘ $%/!!9&5‘8‘/"‘$%‘‘ /.3$%‘2#/5‘ !#8‘)‘ <#$%‘:#!/ ‘8$&‘ D-60/,+ : 767F‘ <%#2%‘ ,‘/"‘ 23".9&29!‘&‘ 3:‘/8‘ ‘?$"‘‘ ‘‘ $‘89#$-5‘$"/8&./"‘‘8$5‘.3!- 3".%39&‘D-10/ : 76,7F‘238&#)‘"‘‘)‘/&‘/8/!379‘&‘3:‘ $%‘‘ /8$%‘"3>‘ J3#)&5‘,9$‘83$‘‘8)3<‘)‘<#$%‘ 3$#38

Y%T) ‘)

1 '5("

8 & ' " ' "98+4*'?94+0;'
0'*;'*CO+>44 B;'GB*:I

A '! "(
"98+4*'?94+0;'0'*'?C98B0:0;@B♯ 80B'/7 47'
+79'?C98B*+*'*89'9?4*C ;:'GB*: I6' G @ *?;9I

8 " ' O8+0;'C '+7* @?'
>9*8 ;:'*;'*CO+794 @B'GB*: I

3 Q M

+79 B == 9 *A98 0
+79 +7* @? B%-.3
$%'2#9 79 = E
B9;? 0;? 0 +79
?CO8*;: * -*8A
B@47 *44O8=;:+O
:9# +O :9;98 *;=
?C94 9?# *;= +O +79
;@B>98 0 ?CO89?
/ 7 47 +79A 40;E
+* ; 79 8 /*
? O8B9= 0 *
8*+798 +7 4F B9BE
>8*;9# 9?C94 * A
/79;A0@;:# 0 *;
95+89B9 +9;@ +A ;
498+* ; :9;98* ;
0+798? + *++* ;?
a MQ ;# *;=
+79 8 :89*+9?+
+7 4F;9?? ?@?@* A
+ +79 +OC 0 +79 ?CO8;:@B#
79A C98? ?+ * +98 9B ++ ; : +79
?CO89?

7989 *89 @?@* A # 9?? 40BE
B0; AN ?CO89? ;9*47 ?CO8*;E
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*;= 9-9; B089# 044@8 *? =09? *
?0 +*8A?CO89 79 ?CO89? -*8A ;
?<9 *44O8=;: +O +79 8 ;@B>98
&79; #+79A B9*?@89 80B, O
+0 H O#>A O+O N 0 *;
;47 79 ?B* 9?+F;0/; *89 ;0
B089 +7*; , M ; ; 9;:+7#
;=7 *?? B@47 ;>89*=+7 79
?CO89? *89 9 C?0 =# 0-0 =# @? 08B
08 0>0;: 4A ;=8 4* +79A *89
? BC 9# 08 47*B>989= *;= M
00 49 9= /O *A98? B*A >9

322'!!/' $#82$3"#/b

3,-6,*+*,-.03 ,* 6 ,0,/ 87 - *; 0@+98 08 Z-.#&.3"'5 *;= *; ;;98 08)3>
&.3"' .0 01,-12/0 G- 4-47 = 0G6/0:0 = 6.,* 7*3 -57/50 = 10/5016,;0 .0
52 24/ 2 6.0 -12/0- ,- 7 87=- 3060/:,*03 ;= 6.76 2 6.0 01,-12, 0 J 8.,60 ,- :2-6
4-47 23,*0 2 60* 52 24/-6.0:; 40 J ;46 ,* 7 57-0- 6.0 01,-12/0 7 2*0 ;052:0-
52 24/03 .0 12/0- 7/0 0G10 03 ;= 7 1054 ,7/ 52*6/756,2* 2 6.0 -12/7*+,4 : ,*

+79 ?*B9 / *A *? ; '!('!!' 5 ' J< *;= B0?+ @;: 0 +79 :80@C 0 &23.%3"''' + :98B ;*+ 0; +79 ?CO89? 0 479;? C80=@49# F9 @;: # *2;9+ / 08F 0 *B9;+?

79 &.'" 3738#/ *89 ?B* 40;49C+*4 9? B B98?9= ;+79 ?@C98 4 * *A98?0 +79 +7* @?# 8*89 A C *49= ; = ?+ ;4+ +@>984 9?# 40B B@; 4*+ ;: / +7 +79 0@+? =9 7A * ?B* 08 49# *;= 40;+* ; ;: ? BC 9 08 D0 ;+9= *B9;+? G&$'"#7 /$/ 5 / 7 47 C80E =@49 ?B* *8479= 0> 0;: ;9*8 08 *4 4@ *8 408C@?4@ 9? D&.I" /$#/ 5 +79 @CC0?9= 98+ <;:*:9;+? 79 ?C98B*+ * *89 0 95+89B 9 +9;@ +A +79 *8:9?+ *89 L M +0 a NO ;# +79 ?B* 9?+. M ; ; 9;:+7# / +7 7* +7*+ >89*=+7 +79A =0 ;0+ *CC9*8 +0 7*-9 *;A C0 / 98 0 B0+ 0;# *;= C0??9??;0 040B0+ -9 08:*; +70@:7 479;?+? *89 *:899= ; 40;?=98;:+79 ?C98B*+ * *? +79 *;* 0:@9?0 +79 *;+7980 <0 =?# + ? = 4@ + +0 =9?48 >9 +79 8 *4+ 0; 0@ +79 ?C089? + 7*? >99;0>?98-9= ; 498+* ;:9;98* +7*+ ?0B9 ;= - =@* ? 0 * ?C94 9? 7*-9 ?C98B0:0; *# 0+798? ;0+ / 79;49 + / 0@ = *CC9*8 +7*+ ?@47 ?C94 9? *89 = 094 0@?# *;= ;0+ B0;094 0@?# F9 B0?+ 479;? 79 :9;@? .%', ? *; 95*BC 9# +79 ?C94 9? 0 / 7 47 B*A >9 40;?=989= *? B0;094 0@? 08 = 094 0@?# *4408= ;: *? +79 ?C98B0:0; * *;= *C0+794 * *89 0@;= 0;+79 ?*B9 08 0;= 989;+ ;= - =@* ?

-28#)#/ *89 ?B* 90;49C+*4@ *8 C80+@>98*;49?# 89?9B> ;: ?C98B0:0; *# >@+ = 98;: ; +79 8 9?? *> B=*;+# B089 >@ FA 40;+9;+?# *;= ; +79 8 :98B ;*+;: C0 / 98 79 8 08 : ; *;= @;4+ 0;? *89 ?+ R@ +9 0>?4@89 @ *?;9 40;?=98?+79 B +0 >9 * ?@CC 9B9;+*8A B9*;?0 C80C*:*+ 0;#

A *;=98# 80B / 70B / 9 7*-9 *=0C+9= B0?+ 0 +79 C8949= ;:- 9 / ?# 7*?= - =9= 479;? ;+0 ?9-98* *B 9?# / 7 47# ; 0@8 0C ;0;# 89C89?9;+ +8 >9?# *;= 08B +79 +7899 0 0 / ;:-98A @;9R@* :80@C? *? 89:*8=? +79 ;@B>98 0 :9;98* / 7 47 +79A 40;+* ;) H 3!!' /2'2'5 / +7 +99;:9;98* + -"#/87#/2'<5><#$% 38'5 + -"# 7 E #2%#8/''2 C80C98# / 7 47 40;+* ;? *7@;=89=

! + +

2*,2*06*7	A;* A?? ?	0162+,4 :	1, 2*0 : 7
*@ *	;/=M4 :	1.0;0	2 0 : 7 "5

! + + A

=/,7*+,4 :

! + + (3(

" 4K

7=1,4 :	A 2 ,25=;0	1.00/21.2/2*	0/2-5=1.4-

-02 : =50- # 732*,7 60/02574 0* C

" - 4K

2550 7	,1;4 7	! ?;9*	94+08 *
?0/*,7	*B* @*	06/7,C,7	

M C

Q N) ‘

‘ 6 ; 2 ; % "$J

01402:7 0 6,+0/7 2 2,C,,,7 6,567
7/ : 0 ,7 . =-5,7 ‘*, ; , ,57,C,7

‘ < ‘ 2

>47 : 7/,7 7523,4 : 057*2/7 /502 7/,7 0,C ,-4/,*
.0 26/0 : 7 05,307 1\,+/71 ,7 ,,432562*

‘ ‘ 2

3257,12 C 0* 457/,7’ 43252554 - /=126 ,0 ,4,,,‘ "5

0?0/7‘ ; 267*,-6-‘ 7/0‘ . 280?0/‘ *28‘ ,*5 ,*03‘62‘ 4*,60‘ 8 ,6.‘ ,5 .0*-‘ 6.0‘ 0*6,/0‘ +/241‘2 ‘ %22# .3"2$. 5
4*+,‘ 8 . ,5.‘ 3, 0/‘ /2 : ‘6 .0 : ‘ ,*‘ *2‘ , : 12/67*6‘ 5 .7/7560/‘ ; 46‘ 6 .0‘ 7 ; -0*50‘ 2 ‘7‘ +2*,3,7‘ 7=0/‘ .0‘7 ; -0*50‘
2 ‘2G7 760‘2 ‘ , : 0‘ ,*‘ 6 .0‘ 6,--40‘2 ‘ 4*+,‘ 2*‘ 8 . ,5.‘ 6 .0‘ -017/76,2*‘ 2 ‘ 6 .0‘ 682‘ +/241-‘ 87-‘ 24*303‘ 57**26‘
; 0‘ /0 ,03‘2*‘ -,*50‘ 2*+‘ 7+2‘ 78-2*‘ 4/*0/‘ /,1,0/‘ 7*3‘ 60,* .0,‘ 1/2?03‘5 .0 : ,57 =‘6 .0‘ 1/0-0*50‘2 ‘6 .,-‘
-7 6‘ ,*‘ 50/67,*‘ 3!‘$# G 3!‘$9&‘&9!.%9"‘‘$2&5 =2 ‘ .0‘ 756,2*‘ 2 ‘,23,*0‘ 8 .,5.‘ $#87‘&‘ 8 ,6.‘ ; 40‘6 .0‘ -12/74+,7‘
2 ‘ : 2-6‘ ,5 .0*-‘320-‘*26‘71107/‘62‘4-‘-4 ,5,0*6$3‘-017/760‘6 .0‘ ,5 .0*-‘7*3‘6 .057-12/7‘ 4*+,‘ */‘21,*,2*‘
,-‘ 52//2;2/7603‘ ; =‘ 6 .76‘ 2 ‘ 7‘ 07/*03‘ ; 267*,-6‘ /‘ 3?0, 3‘7*‘ 746 .2/,6=‘2*‘7 ‘ >40-6,2*-‘ /0 76,?0‘ 62‘6 .,-‘
; /7*5 .‘2 ‘5/=162+7 : =‘ 8 .2‘ .7-‘ -0*6‘4-‘7‘ 0660/‘ /2 :‘ 8 .,5.‘ 8 0‘0G6/756‘6 .0‘ 2 28,*+‘17--7+0-‘@B

f 24‘0*>4,/0‘ : =‘ 307/‘ 057,-*0‘ 8 .76‘ ,-‘ 6 .0‘ 3, 0/0*50‘ ; 0680 0*‘ 6 .0‘ ,5 .0*-‘ 7*3‘6 .0‘6 .057-12/7‘
4*+,@ 6 .0‘ >40-6,2*‘ ,-‘ 30 ,*,60‘ 7*3‘57**26‘ ; 0‘0?7303‘ ‘7*-80/‘6 .76‘ ‘ .7?0‘ /0>40*6 =‘ 0G7 : ,*03‘ ,*62‘
,6‘7*3‘ ‘ ,*3‘6 .0‘3,-6,*56,2*-‘62‘ ; 0‘-2‘6/, ,*+‘6 .76‘ ‘ .7?0‘7 87=-‘ /0+/06603‘ 6 .76‘ 6 .0-0‘ ?0+067 ; 0-‘ -.24 3‘
*26‘ ; 0‘1 7503‘4*30/‘2*0‘ .073‘ .0‘17/71 .=-0-‘6 .0‘6 .057 0‘7*3‘6 .0‘ -12/0-‘7/0‘ ,30*6,57 ‘ .0‘ %. .3$%/!%#&‘
2 ‘ ,5 .0*-‘52//0-12*3-‘62‘6 .0‘ -2‘!#9 ‘2 ‘ 4*+,J ,90‘ ,6‘ ,6‘-1/073-‘ 2?0/‘ 6 .0‘ -4/ 750‘2 ‘ ; 23,0-‘ 30?0 21-‘
4*30/‘6 ,0‘01,30/ : ,-‘2 ‘1 7*6-‘ ,*‘6 .0‘6 . ,59*0-‘2 ‘6,--40 N‘7*3‘ ,*‘6 .0‘07/6 .‘ .0‘ /0501675 0‘G/ .3$%‘ #‘
2 ‘ ,5 .0*-‘?7/,0-‘7-‘ : 45.‘ ,*‘ 2/ : ‘7-‘6 .76‘2 ‘ 4*+,J ,6‘ ,-‘ -2 : 06, : 0-‘ -410/ ,5,7 ‘-2 : 06, : 0-‘ -4*9‘ ,*‘6 .0‘
6,--40-Ë ; 46‘ ,*‘ ,5 .0*-‘ ,6‘ ,-‘ 7 87=C-‘ ,90‘6 .0‘6 .7 4-‘52/,75024-‘ *‘ 4*+,‘ ,6‘ ,-‘ 2 60*‘ -, : , 7/‘7*3‘ ,*‘
'J#J/‘ ,6‘ ,-‘ 0-.=‘8760/=‘2/‘ /,7 ; 0‘ ,90‘87G‘ .0‘ -4/ 750‘2 ‘6 .0‘ /0501675 0‘D'.#$@#'2#9 ‘ ,-‘*7903‘ ,*‘
C4*+,Ë 6 .0‘0G6/0 : ,6=‘2 ‘6 .I‘17/71 .=-0-‘8 . ,5.‘2 60*‘1/2 056-‘7*3‘52 24/-‘6 .0‘3,-9‘ ,-‘ 4+,6,?0‘7*3‘3,-H
71107/-‘ ,*‘6 ; 2‘ 4*+4-‘ *‘ ,5 .0*-‘2*‘6 .0‘52*6/7/=‘6 .0‘ '.#:%'2#9 ‘ ,-‘7‘*2/ : 7‘-6760J ,6‘ ,-‘ 2/ : 03‘*26‘
2* =‘ ; =‘6 .0‘-82 0*‘1/2 056,*+‘0G6/0 : ,6=‘2 ‘6 .0‘17/71 .=-0-‘ ; 46‘ ; =‘7‘ +/7*4 7/‘7*3‘10/-,-60*6‘ : 7660/‘
+7,*‘6 .0‘/0501675 0‘2 ‘ 4*+,‘ ,-‘ 4+75,24-Ë ; 46‘ ,*‘ .%2 "#'/5 8 .,5.‘52*6,*40‘ 2/‘7‘ 2*+‘6, : 0‘8,6.246‘
; 0,*+‘10/0**,7 ‘6 .0‘52*501675 0-‘2* =‘ 7-6‘7‘ =07/‘76‘6 .0‘ : 2-6‘ 15 ‘2*50‘ 30?0 2103‘7*3‘ /456, ,03‘
.7?0‘52 : 1 0603‘6 .0,/‘ 0G,-60*50J 6 .0=‘ 32‘ *26‘ ?0+06760‘7 /0-.‘ O ,6.‘ ,5 .0*-‘ ,6‘ ,-‘ 3, 0/0*6J 6 .0,/‘
/0501675 0‘ ,-‘10/0**,7‘ ‘ ,6‘ : 7=‘/0 : 7,*‘ 2/‘ 0?0/7‘=07/-‘7*3‘7 87=-‘ ; 0‘ ,*‘7‘10/ 056‘-6760‘2 ‘ /456, ,576,2*‘
.,-‘10/0**,7‘52*3,6,2*‘2 ‘6 .0‘ /0501675 0‘ .7-‘ ; 00*‘ *26,503‘ ; =‘ 0=0*‘7*3‘ ‘ .7?0‘ ?0/, ,03‘ ,6‘ ,*‘8 " ‘
5 ‘0*3‘ ,*‘8‘3 > ‘ ,*‘ 2/-,57‘ -2‘ ‘ .7?0‘-00*‘76‘ 2*6 : 2/0*5=‘3 ‘ "5! ‘2‘8 .,5.‘
6 .0‘3,-9‘ D$%')98#‘ .73‘ ; 00*‘ 30-6/2=03‘ ; =‘-*7, -‘/01/23450‘7‘ *08‘6 .05,4 : ‘ .,-‘1 .0*2 : 0*2*‘2 ‘6 .0‘
/01/23456,?0‘2/+7*-‘73303‘62‘6 .0‘5 .7/7560/‘2 ‘6 .0‘6 .7 4-‘2 ‘ ,5 .0*-‘7*3‘6 .0‘D76‘ : 2-6F 7**47‘0G,-60*50‘
2 ‘6 .0‘ : 2-6‘52 : 124*3‘15 ‘ ‘52*-,30/‘7-‘2*0‘2 ‘6 .0‘ : 2-6‘54/,24-‘7*3‘ , : 12/67*6‘2 ‘ ; ,2 2+,57‘5 .7H
/7560/-‘ * 2/64*760 =‘ ,6‘,-‘ ‘8 .2‘ .7?0‘ ; /24+.6‘ ,6‘ 2/87/3‘7*3‘0-67 ; ,-.03‘ ,6@ ,6‘320-‘*26‘17--‘54//0*6
2*‘6 .0‘ G5 .7*+0‘2 ‘ 5,0*50‘ 28‘57*‘80‘3,-6,*+4,-.‘7‘ ,5 .0*‘ , 2 : ‘7*‘ 7-52-12/24-‘ 4*+4-‘ -,*50‘6 .0‘
/01/23456,?0‘2/+7*-‘7/0‘-, : , 7/‘N .0‘2* =‘3, 0/0*50‘80‘57*‘30605 6‘,-‘,*‘6 .0‘6 .7 4-‘J ; 46‘ , ‘,6‘ ,-‘5/4-‘
675024-‘-57 =‘ , 7 : 0 62-0‘ "5 ‘,*‘ ,5 .0*-‘7*3‘15"(: ‘ 06‘4-‘*26‘ 2/+06‘6 .76‘6 .0‘6 .7 4-‘ ,-‘6 .0‘5 .7H
/7560/,-6,5‘ : 7/9‘2 ‘ ,5 .0*-‘6 .0‘ : 2/0‘-2‘7-‘ ,6‘ ,-‘52* ,*03‘62‘6 .0 : ‘7 2*0‘ .0‘1/,*5,17‘12,*6‘6 .0*‘ ,-‘62‘
0-67 ; ,-.‘6 .0‘3, 0/0*50‘ ; 0680 0*‘6 .0‘6 .7 4-‘2 ‘ ,5 .0*-‘7*3‘6 .0‘ ‘2 ‘ 4*+,‘ . .76‘6 .0‘2*0‘ /0-0 : ; 0-‘
; /7*5 .0-‘6 .0‘26 .0/‘7‘-, : 1 0‘54-.,2*‘ ,-‘7‘ : 7660/‘2 ‘ ,*3, 0/0*50‘ .0‘6 .7 4-‘2 ‘ ,5 .0*-‘7 87=-‘1/0-0*6-‘
6 ./00‘7=0/-@6 .0‘52/6,57 ‘6 .0‘+2*,3,7 ‘7*3‘6 .0‘ : 034 7/=‘ .0‘@ .%2'"#'2'‘5 2*‘6 .0‘52*6/7/=‘ .7?0‘ ; 46‘6 8 2J
6 .0‘+2*,3,7‘7=0/‘ ,-‘7 87=-‘ 87*6,*+@ 6 .,-‘ ,-‘ 7*‘ 7*762 : ,57‘6/46.‘ 8 .,5.‘ : 4-6‘10/ 2/50‘ ; 0‘73 : ,6603‘
.0-0‘+2*,3 7# ; =‘6 .0,/‘1/0-0*50‘/0 : 2?0‘0?0/=‘3, ,54 6=‘8 .0*‘ ,*‘324 ; 6‘7-‘62‘6 .0‘*764/0‘2 ‘7‘ 4*+4-‘2/

75.-‘.7-‘7321603‘,*‘ . ,-‘I 0./ ; 45.‘I6 .0‘?,08-‘0*60/H 7-‘ ,6‘80/0‘ ,*‘5716,?,6=‘ ; =‘6 .0‘ : 0-.0-‘2 ‘7*‘7-52 : =50624-‘
67,*03‘ ; =‘ 5 .80*30*0/‘7*3‘ 00--‘6 .76‘ ,5 .0*-‘ 7/0‘ 4*+4-‘ . ,-‘ ,-‘7*‘ 0G60*-,2*‘ ,*‘ 756‘62‘7 ‘ ,5 .0*-‘2 ‘
*26‘7462*2 : 24-‘ 2/+7*,- : -‘ .46‘52 2*,0-‘2 ‘ +70‘ .0 3 7‘-4++0-6,2*‘2 ‘ 0‘ 7/=#-‘6 .76‘ 3 ‘ /5 "5‘7/0

,5.0*' ',6' .73' 2554//03'62' :0'62'7-50/67,*'8.06.0/',6'87-'1/0-0*6' '-.24 3'*26'.7?0'30-5/,;03' &2"3>' &2-.%$&'7-'7' 4*+4-J' '-.24 3' .7?0'/052+*,M03',6'7-'7' ,5.0*' 24'8, ';0'2/503'62'/0+7/3'6.0'+2*,3,7'7-'1054 ,7/'62' ,5.0*-J'6.0='1 7='622',:12/67*6'7'17/6'62';0'2?0/ 22903J'6.0,/'*07/ ='52*-67*6'1/0-0*50'6.0,/' 2/:'7*3'+/00*'52 24/'50/67,* ='30:7*3'6.76'6.0='-.24 3'*26';0'17--03'2?0/',*'-,0*50' O.76',-'6.0,/'17/6',*'6.0'052*2:='2' ,5.0*-'N /0'6.0='2'*2'4-0',*'6.0' /0-1,/76,2*'2'6.0-0'?0+067;0-',*'6.0'2/:76,2*'2'6.0'52 24/,*+'1/,*5,1 0-'8.,5.'6.0='=,0 3'7*3',*'6.0'1280/'2'/01/2345,*+' ,5.0*-'N .0,/';4/-6,*+'6./24+.'6.0'01,30/:,-',*'6.0' 2/:'2'-2/,3,7'6.0'5.7*+0'2'52 24/' 8.,5.'6.0='-2:06,:0-'4*30/+2',*'52*6756' 8,6.'6.0'7,/'7/0'-2' :7*='12,*6-'8.,5.'30:7*3'7660*6,2*J 80'.7?0'*26.,*+',-:,7/',*'6.0'6.057-12/7'4*+,' .0'6.7 4-'2' ,5.0*-',-'?0/='.=+/2:06/,5'7-'2*+'7-',6',-'7,?0J,6'3,760-'2/'52*6/756-'7552/3,*+'62'6.0'30+/00'2':2,-64/0'7*3';052:0-'+/00*'7+7,*'J;46',',6'.0':2,-60*03'7 60/',6',-'3073',6'5.7*+0-'52 24/'2*'7 :2-6'0?0/='2557-,2*' 6',-'1/2;7;='28,*+'62'6.,-'.=+/2:06/,5'756,2*'8.,5.',-'17/H 6,54 7/='0G0/5,-03'76'*,+.6'6.76' ,5.0*-'/0:7,*'7,?0',*' 524*6/,0-'8.0/0'6.0'3/24+.6',-'4*,*60//41603' 2/'8.0/0'6.0='.7?0'6790*'/226'2*' .7/3'-62*0-',:10/:07;0'62'8760/'2/'2*' ,/2*'2/'+7--'7-'=24'-78' 8,6.':0',*'6.0'5/=16'2'6.0'5.4/5.'76'!247//0' .0'6.7 4-'2' ,5.0*-',-'*0?0/' ,-524-'8.,5.',-'?0/='52:2*='6.0'57-0',*'6/40' 4*+,J;46''24+.6'62'-7='6.76' .7?0'-00*'?0/='08'?,-524-'&23.$3"'2"D '3>' 7!3&&9 '(#&23&9 5'7!9$# &98#' ,5.0*-'0-105,7 ='6.2-0'8,6.'7'5/4-675024-'6.7 4 '2/'8.,5.'+/28'412*'-62*0-'.7?0'7'-6/2*+'60*30*5='62';052:0'52 24/03',6.0'-62*0-'52*67,*'2G,30'2',/2*'2/':7*+7*0-0J'6.0='6.0*'75>4,/0'7' 0//4+,*24-'6,*6'8.,5.'.7-'03'62':7*='; 73'-105,0-'.7?,*+';00*':+30' .0'6.007-15/8' 4*+,'30?0 21'*07/='0?0/=8.0/0',*'37:1'2/'37/9'1 750-' ,5.0*-',90'1 0*6='2',+.6'7*3'71107/',*3, 0/0*6'7-'62'8.76'6.0='+/28'2*J'6.0'6.057-12/7' 4*+,'7/0':2/0'17/6,54 7/J'6.0='0-105,7 =',90' Ż8223'6.0='.?0'17/7-,6,57 ='2*',*-056-'2*' 4*+,'2*'0/+2603' =0@.0*50'.7;,676'O,6.246';0,*+'7'5.7H /7560/',-'2'-2:0',:12/67*50' ,5.0*-'3/78'6.0,/'*24/,-.,*0*6 /2:'6.0'7,/'6 :'6.0'308'7-'6.>' '2/8 8'2' 7 7-'1/2?0-',*34;,67;='A

I =7*30/',*3,5760-'7-'6.0'5.-,/7560/-'2' ,5.0*-'6.0'52 24/,*+'2';4'2/'/03';='23,*0J'6.0' 1/0-0*50'2'2G7 760'2',:0'2'3,-52,3'2/'0*6,54 7/'-67/5. +/7,*-'7*3'2'+2*,367'8.,5.'7/0'2 60*' 7;-0*6' .0'52 24/,*+';40'2/'/03',-'62':0'7'1.0*2:0*2*':2/0'54/,24-'6.76' .7/7560/,-6,5' -'6.0' 6.7 4-'2' ,5.0*-'52*67,*-'-67/5.'7*3' 4 +','*0?0/'6.,-';40405-'/073,='3,-6,*+4,-.0-'6.0'6.7 4-'2''7' ,5.0*J;46'8,6.'/0+7/3'62'6.0'17/6-'2'/456,,576,2*'80'-00',*' ,5.0*-'7-',*' 4*+,'6.76'6.0',* 40*50'2' 6.0',23,*0',-'-.284' 2:06,:0-'2*'6.0',**0/'-4;-67*50'2'6.0'52*501675 0'-2:06,:0-'76'6.0'0G6/0:,6='2'6.0'17/71.=-0-'-2:06,:0-'2*'7'6.0'6.0570'2/'2*='2*'6.0,/'0G6/0:,6=' .0'-12/0-'7-2'-2:06,:0-'0G.,;,6',6' .0'1/0-0*50'2'2G7 760'2',:0',*' ,5.0*-':7='; 0'2',:12/67*50J';46'7-'=24'60' :0',6'0G,-6-'7-2',*' 4*+,'6.0'7660/':4-6'.7?0';00*'?0/=-410/,5,7 ='0G7:,*03' 2/',6'*26'65'.7?0';00*':06'8,6. ' # '0-105,7 =12--0-'7' 7/+0'>47*6,6=

f *0'82/3'2*'6.0' ,5.0*-'7*3' 4*+,'8.,5.',?0'17/7-,6,57 ='2*'6.0'6.7 4-'2' ,5.0*-' .0-0'1/2H 3456,2*-'.7?0'*0,6.0/':=50,4:''*2/'6.7 4-' 4 7-*0'52*-,30/-'6.0:'7-' ,5.0*-'1/2;7;=';0574-0'6.0=' ;052:0' ;40'8,6.',23,*0J' 26.0/-'6.,*9'6.0:' 4*+,';0574-0'6.0='.7?0'*2'6.7 4-' 28'-.7'80' /052*5,0'6.0-0'?,08-'N 6',-'6/40'80',*3'+2*,3,7';46'6.0-0';02*+'62'6.0'6.7 4-'2'6.0' ,5.0*'2*'8.,5.' 6.0='',?0

f 28'80':4-6'210*'7*26.0/'5.7160/'6.76'2' ! + '2/'/76.0/'2' ! + ' '32'*26' /00 4,/0'=24'62'7321'6.,-'*7:0';0574-0'7'52*501675 0'8.06.0/':7-54,*0'2/'0:,*,*0',-'7 87=-'7' 52*501675 0' *'6.0'-7:0'87='7-'80'-7='(# '(# '('80':7='-7='! "#4 ' "' # ' '('6.,*9'.280?0/'6.76'=24':7='7321'6.0'*7:0'2'! 'D7 6.24+.'6.0='7/0' *26'24*3'2*'7' ,5.0*-'7*3'7 6.24+.';267*,-6-'10/-,-6',*'52*-,30/,*+'6.0:'7-'17/7-,6,5'4*+,F';0574-0' 6.0='71107/'62'1 7='7'?0/='/07'17/6',*'6.0'052*2:='2' ,5.0*-'7*3';0574-0',*'7'52:1 060'30-5/,16,2*'6.0=' :4-6';0'*26,503J';46'-.24 3'8,-.'7'-:7/9'2',*60//2+76,2*'DNF'62'7552:17*=' ! #" ' "# 27 824 3'7-2'73?,-0'=24'62'4-0'6.0'82/3' '1/0 0/7;='62' '% ! /' /,0-'6.0' " "' + '.7-'-7,3'-2:08.0/0'6.76'.0'824 3'*0?0/'4-0'6.0'82/3' '.46'7 87=-' ' 00'.28' 07-='6',-'62'0G1/0-'2*0-0 '8.0*'6.0'2 28,*+'73 056,?0-'7/0'73303'62'6.0-0'82/3-'@B ' ##'

0,6.0/'52*3,6,2*-'2' 2-620.,*024-'2/' ./22525524-' 17/7 0,-:' /5.0/'52*-,30/-'6.76'6.0'.=126.0-,-'2' +70':23,,03';='6.0'17/7-,6,-:'2'7-52:=50624-'4*+,' 5,80*30*0/',-'52* 4603';='6.0'756'6.76'6.0'7--4:03' 2/'6.76'6.0,/',:'767/0'-6760-'.7?0'.,6.0/62';00*'52*H 17/7-,6,5'4*+4-'320-'*26'30-6/2='2/',?0'412*',6-'7-H 24*303'8,6.' +7' 2/:-';0 2*+,*+'62'6.0-0'+/241-' -4:03' +7'.2-6 B * .87,60-',*3003' :7*='=07/-'7+2'12,*603'26,6'6.0,/ ;' '

,6-0 J' 6.0' 26.0/' 2 '6/7*- 76,2*' 8 .,5.' 0*7 ; 0-' ,6' ,*' 7' - .2/6' 6, : 0' 62' 6/7?0/-0' 7' -2 : 08 . 76' 52*-,30/7 ; 0' -1750' 2' 2 ; -0/?0' 6.0-0' : 26,2*-' 6.0' + 7--' 1 760' 2/' 6.0' 2 ; 056' - .24 3' ; 0' 6/7?0/-03' ; =' 68 2' +/22?0-'5/2--,*+' 76' /,+.6' 7*+ 0-J' ,*' 075.' +/22?0' 7' : 067 ,5' 6./073' - .24 3' ; 0' ,/ : =' 50 : 0*603' 7*3' 6.0-0' 6./073-' 07?0' ,*' 6.0' : ,33 0' 2 '6.0' + 7--' 7' /00' -1750' 8.0/0' 6.0' 52/14-54 0-' -8, : J 6.0' ,*3456,2*' 7117/764-' ,-' 7' /00 '6.0' +0*0/762/' ; 0,*+' 7' -, : 1 0' 0 0 : 0*6' 2 ' ; ,5./2 : 760' 2 '1267- .' '6.,*+-' ; 0,*+' 6.4-' 7//7*+03' ,6' ,-' 07-=' 62' 17--' 6.0' ,*3456,?0' 54//0*6-' 6./24+.'6.0' 1/017/03' ,>4,3' ; 06800*' 6.0'-4112/6,*+' 1 760' 7*3'6.0' , :' 2 '+ 7--' 8 .,5.' 52?0/-' ,6 ' .0' 7*6.0/2M2,3-' 2 ' './$#'2'' 7*3' 2--0-' 7/0' *26' ,* 40*503' ; =' 6.0' ,*34503' 54//0*6-J 6.0,/' : 2?0 : 0*6-' 7/0' *26' : 23, ,03' 7*3' 6.0,/' /0 76,?0' 12-,6,2*-' /0 : 7,*' 6.0' -7 : 0' 7 6.24+.'6.0=' : 7=' ;0' ,*' 6.0' 176.' 2 '7' -6/2*+' 54//0*6' 46' ,6' ,-' 3, 0/0*6' 8,6.' 6.0' -10/ : 76,7' 2 ' ,5.0*7' 7*3' 4*+,@ 6.0' : 2 : 0*6' 6.76' 6.0' - : 7 ' , : ;03303'6./073-' 2*' 6.0' 2 ; 056 + 7--' 7/0' ; /24+.6' ,*62' 52*6756' 8,6.' 6.0' 12,*6-' 2 ' 6.0' ,*3456,2*' 52, ' 6.0' 6.24-7*3-' 2 ' -10/ : 76,7' ?,-, ; 0' ,*' 6.0' ,0 3' 2 ' 6.0' : ,5/2-5210' 1 750' 6.0 : -0 ?0-' 17/7 0 '62' 6.0' 54//0*6 ' , 0 ' 8,6.' 6.0,/' 2*+0-6' 3,7 : 060/' ,*' 7' -6/7,+.6' ,*0' ; 06800*' 6.0' 12,*6-J 6.0,/' : 2?0 : 0*6-' 2 '6/7*- 76,2*' 7/0' 6.0*' 0*6,/0 =' 7//0-603J 6.0,/' 6/01,376,2*' 52*6,*40-' ; 46' 00; =' ' ; =' : 07*-' 2 '6.0' 682' 26.0/' 6./073-' 50 : 0*603' 62' 6.0' 2 ; 056 + 7--' 6.0' 0 056/,5,6=' ,-' 17--03' ,*' 7' 10/10*3,54 7/' 3,/056,2*' 62' 6.0' ,/-6' 6.0' -10/ : 76,7' , : : 03,760 =' : 2?0' 7*3' 1 750' 6.0 : -0 ?0-' #8' 6.,-' 3,/056,2*' *-6073' 2 '6245.,*+' 0*3' 62' 0*3' 4*30/' 6.0' ,* 40*50' 2 ' 6.0' 54//0*6' 7-' , ' 6.0=' 766/75603' 075.' 26.0/' 6.0=' 7//7*+0' 6.0 : -0 ?0-' 17/7 0 '62' 075.' 26.0/' 7*3' 62' 6.0' 54//0*6' '6.0' 54//0*6' ; 0' 80790*03' ; =' 30+/00-',6-',* 40*50' ,-' *2' 2*+0/' 0 6' ,*' 6.0' 50*6/0' 2 '6.0' 7//7*+0 : 0*6J 6.0/0' 6.0' -10/ : 76,7' /0-4 : 0' 6.0,/' : 2?0 : 0*6-' 7*3' ,//0+4 7/' 12-,6,2*-J 8., -6' 6282/3-' 6.0' 682' 12,*6-' 6.0' 756,2*' 2 ' 6.0' 54,* 0*6' 2*6,*40-' 62' : 7*, 0-6',6-0 ' 7*3' 6.0' 7//7*+0 : 0*6' ,*' ,*0' 52*6,*40-' '6.0' 54//0*6' ; 0' 0*6,/0 =' 7//0-603' 6.0' 5 /14-24 0-'3,-10/-0' ,*' 0?0/=' 3,/056,2*J 7-' -22*' 7-',6' /052 : : 0*50-' 6.0=' 7+7,*' 7 ' ,*62' ,*0' 7*3' : 7=' /0 : 7,*' 2/' .24/-' 8,6.246' 5.7*+0' O., 0' 6.0',*3456,2*'54//0*6',-' 17--,*+' 6.0/0' 57*' ; 0' *2' : 2?0 : 0*6' 2 '6.0',>4,3 '-,*50 '6.0/0' ; 0,*+' .2' 1/2+/0--,2*' 2 '6.0' -10/ : 76,7' 76' 075.' 5.7*+0' 2 ' 3,/056,2*' 2 ' 6.0' 54//0*6' 6.0=' /0 : 7,*' : 26,2* 0--' ,*' 6.0' 8760/' 8 .,5.' 52*67,*-' 6.0 : ' 623' 2* =' /0?2 ?0' 412*' 6.0 : -0 ?0-' .,-' -,*+4 76' 7//7*+0 : 0*6' ,*' ,*0' 57*' 2* =' 7/,-0' / :' 7' 12 7/,M76,2*' -, : , 7/' 62' 6.76' 8 .,5.',-' 1/234503' ; =',*3456,2*' ,*' -0?0/7 ' : 067 ,5' 52*34562/-' 1 7503' 5 2-0' 62+06.0/

) ' 6 5' 9&&#'9A' '"&3385' "5

. 4+ # ; =' "#'& 1 &' "#'& 1 ' (&' "#'& 1
&0 5 # "#'& 1 - ! 4 #8F 1 ' - ! 4 #8F ' L

'!!9!/'" 23$-!')38&5 ('"-' (/"#3##&' #8')9"/$#38' /8)' $'?$9"'5 ' .#7'/!' 3'" %-.37'/!5 7'8'"/!!-' ./" #&#$#2 38')'2/-#87 ('7'$/,!'' 3'" /8# /!' &9,&$/82'&5 38' $%'' , /"F' 3:' $"''&5 38' $%'' &9":/2'' 3'" #8$''"#3'" 3:'!'/('&5 /8)' '('8' 38' 3$%'' " 987#5 ('"-' "/"''!-' !#(#87' 38' $38'& 3'" #8' </$'"5 !3('"& 3:'&%/)'5 /!</-&')'."#(')' 3:':"38)&5 &$3 /$/' /8)' 7"''8' ./"$&' % / ' %& <"'" $ 6%#GBA49 BBI' 3&$!-'&9,$'""/8'/85 23 .3&')' 3:' '!387/$')' 2'!!&5 <%#2% /"'' #&3!/$')5 3'":3" ' /'<',' 3'" ' ,"/8'&' % / ' 3' 0)&% 606%$ ' ,3"8'" 38' $%'' -2'K !#9 5 &'&&#!'' 3'" . ')#2'!!')5 8/F')5 3'" 238$/#8')' #8' /' .'29!#/'" '8('!3.'5 ('"-' (/"#39& #8' :3" 5 /8)' ,'/"#87 $%'' &.3"'& W ' $%'' #8$''"#3'" 3'" '?$''"#3"' ' 4 &3 '$# '& ,3"8'" 9.38' %/&#)#/5 &3 '$# '& 238$/#8')' #8' &.3"/87#/' G+794*9I# 3&$!-' :3" ')' 3:'$<3' ' ,"/8'&5 /!</-&'G\I 3$#38!'&&

@;:# +0:9+798' / +7' 479;?# 08B' *' :80@C' 0 ' 8AC+0:*B?' C0??9?? ;:' ;0' *8479:0; *' +79A' *89'C0 AB08C70@?# b0 +9;]' 9C79B98* # *;;@* # 08' C989;; * # ;9-98' :899;'D 40BC0?9=' 9 +798'0 ' *B9;+?# 08' 0 ' *' 00?9' 08' 4 0?9' + ??@9# C@ CA' 08' 9?7A# 8*89 A' /00=A' ?0B9+ B9?' @8; ?79=' / +7' C94@ *8' -9??9 ?' 40;+* ; ;:' *' / 7 +9# A9 0/' 08' 08*;:9' B FA'D@ 49

79A':80/' *>0-9' 08' @;=98':80@;=# 0;' =940BC0? ;:' -9:9+*> 9' 08' *; B*' B*++98#

*B9;+0@?' -9 ?# / 7 47' 95+9;=' 80B' +79' ?+ C9?' +0' +79' B*8: ;' 0 ' +79' C 9@?# +7@?' C80+94+ ; :' / 79;' A0@; :' +79' 08:*;?' 0 ' 8@4+ 4*+ 0;' G 7/"#29&5 /8#$/5 U4 I

79' +98B' .#!'9&' ?' @?@* A' : -9;' +0' +79' = *+9=' C08+ 0;' 0 ' *' 0*=?+00 # *>0-9' +79' C9= 49 # / 7 47' * / *A?' >9*8?' 0;' +?' 0 / 98' ?Z 8 *49' +79' 08:*;?' 0 ' 8@4+ 4*+ 0;' *;=' +79 8' *CC9;=*:9?# / 7 47' 40;? ?+' 0 '7#!!&' 08' $9,'& 08' ."32'&&'& 79' 7#!!&' G!/ '!!2' ' *89' 8*= *+ ; :' 08' *>9 *+9' *CC9;=4@ *8' *;=' B9B>8*;0@?' C *+9?' D 7/"#29& ' 79' $9,'& 08B' ?B* ' 4A ;=8 4' 08' *;:@ *8' C C9?' D 3!'$9&5 3!-.3"9&5 U9 I ' 79' ."32'&&'& *89' +99+7' 08' CO ;+?' D -)89 ' 79?9' *CC9;=*:9?' *89' 4 0+79=' / +7' *' ?C94 * ' 8@4+ 980@?' *A98# +79' %- '8#9 ' 79' ;*B9' 0 ' "'2'.$/2!'" ?' ;= 989;+ A' *CC 9=' +0' +79' 9;+ 89' b89C80=@4+ -9' ?A?+9B' 0 '+79]' @;:@?' D 7/"#29&5 U4 I# 08' +0' +79' C*8+' / 7 47' >9*8?' +79' 08:*;?' 0 ' 8@4+ 4*+ 0;' D,/&#)#/5 $%'23'5 &.3"'&5 U4 I" / 7 47' C*8+' B*A' >9' *B9;+0@?' G 0@ =?I# 08' R9B>8*;0@?' D %'!'.%3"/ 5 08' * -90 *+9' D+3"2%'!!/ ' 79' 2!#83)" ?' *;' 08:*;' *;* 0:0@?' +0' +79' 7AB9;@B# ?C8 ;: ;' 80B' +79' ;98' / * ' 0 ' +79' 40;49C+*4 9' b*' 4 0?9=' ?CO8 980@?' 4*- +A]# 08' 80B' +79' ?@8 *49' 0 '+79' 8949C+*4 9# *;=' / 7 47' +98B E ;*+9?' ;' ? BC 9' 08' >8*;479=' *B9;+?' >9*8 ;:' *;' ?0 *+9=' ?CO89' *+' +79 8' 95+89B + 9?' +' B :7+' ;' ?+8 4+;9??' >9' 4* 9=' *' 7AB9;@B# 08' +' @ ?' +79' @;4+ 0;?' 0 '+7*+' 08:*;

79' &.3"'& G?99=?' 08' 89C80=@4+ -9' >0= 9?I' *89' 899# 08' >08;9' 0;' +79' 95+89B +A' 0 ' *' *B9;+# 08' ;?98+9=' 0;' ?C94 * ' 08:*;?' 4* 9=' ,/&#)#/5 ?@8B0@;+9=' >A' ' C0 ;+?' 08' &$'"#7 /$/5 08' 9;4 0?9=' ;' 49 ?' D&.3"/87#/5 $%'23'5 U4 I' 79A' *89' 08B9=' 0 ' +/ 0' B9B>8*;9?" +79' 0@+98' D'.#&.3"' ' ?' ?B00+7# *890 *+9# 08' -988@40?9## U4 " +79' ; ;98' D'8)3&.3"' ' ?' +7 ;# 40 0@8 9??# *CC*89;+ A' ?+8@4+@89 9??# *;=' 40;+* ;?# :8*;@ 9?# *;=' ?0B9+ B9?' C*8+ 4 9?' 0 ' 0 ' 79' ?CO89?' :98B ;*+9' >A' 9B ++ ;:' H 08' ' *B9;+?# +79' 8?+' 8@= B9;+?' 0 '+79' BA49 @B' 79' 98+ <*+ 0;' 0 ' @;:' / *?# + ' *+9 A# ;-0 -9=' ;' 40BC 9+9' 0>?4@8 +A" >@+' +79' 89?9*8479?' 0 ' ' =9' *8A' *;=' & 080; ;' 9;40@8*:9' +79' 70C9' +7*+' +' / ' ?708+ A' >9' *?' /9 ' F;0/;' *?' +7*+' 0 ' 0+798' 8AC+0:*B?' +' ?' ?@CC0?9=' +7*+' @;:' C0??9??# >9? =9?' +79' ?CO89?# 0+798' ?CO80B08C7 4' 89C80=@4+ -9' 08:*;?# / 7 47' *89')1a

0 - ' / - 1 3738#/5 :0>0?9' >0= 9?# *+' 8?+' 9=' / +7' *' :8*;@ *8' B*?' ?' / 7 47' = - =9?' ;+0' ?9-98*' 89C80=@4+ -9' : 0>@ 9?# ;*B9=' 33&.3"'&' 383&.%'"#/' 0; A' = 98' 80B' 33738#/' ;' +79' 40;=9;?*+ 0;' 0 ' +79' C80+0C *?B' *+' +79' 49;+89' 0 '+79' 49 # 40;?9R@9;+ A' 9*- ;:' *;' 9BC+A' ?C*49' >9+ / 99;' +79' 49 ' *;=' +79' C80+0C *?B' *+7 ?' 9;+* ?' *' ? :7+' B0= 4*+ 0;' 0 '?+8@4+@89# >@+' ++ 9' = 98 ;:' 80B' +7*+' 0 '+79' *;+798 = *' 79' &23!'2#$"' ?' *' -98B 08B' >0=A# 40BC0?9=' 0 ' 49 ?' ?0B9 / 7*+' 89?9BE > ;:' 33738#/5 *88*;:9=' 9 +798' ;' ++ 9' :80@C?' 08' ;' ;9*8' ?98 9?

' / 5 79' /8$%'"#)#/' *89' 40BC0?9=' 0 ' ? BC 9' 49 ?# ?C8 ;: ;:' 80B' +79' BA49 @B' @;=98' 08' * @@;=' +79' 9B* 9' 08:*;?' 79A' *89' *+' 8?+' 08B# +79;' +79A' ?/9 ' *+' +79' +0C# ?9C*8*+9' 80B' +79' BA49 @B' >A' *' ?9C+@B# >940B9' 9=' / +7' C80+0C *?B# 7@+' ;9-98' / +7' *;+7980<0 =?# *;=' 89?+' 0;' +79' 9B* 9' 08:*;?' +0' 9 94+' 98+ <*+ 0;' 79' &.'" /$#/' *89' ? BC 9' 49 ?# 0-0 =# ?+8* :7+' 08' >9;+# ;9-98' : 0>0?9# *;=' *89' 9;4 0?9=' ;' *' 40;49C+*4 9' D&.'" 3738#9 5 /79;49' +79A' ??@9# B 59=' / +7' B@4 E *:9# *?' +789*=?' *;=' : 0>@ 9?# / 7 47' 7*8=9;' ;' +79' * 8# >@+' / 7 47' ;' / *+98' *89' 89=@49=' +0' 49 ?# / +70@+' 9*- ;:' *;A' +8*49' 0 '+79' C*8+?' / +7' / 7 47' +79A' / 989' 40;;94+9=' 79?9# / 7 47' 7*-9' >99;' 89:*8=9=' *?' B* 9' ?95@*' 08:*;?# *89' ;+9;=9=# *4408= ;:' +0' ?0B9' B0=98;' >0+*;?+?# 08' 98+ <*+ 0;' 79A' =0' ;0+' 9B +' :98B' *B9;+?# *?' +79A' 0@:7+

Q 3 ' !

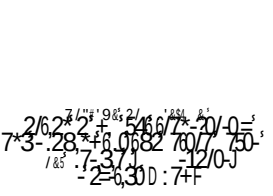
Y/98N +79A' +0' >9' 40;? =989=' *?' &$-!3&.3"'&' 08' 89C80=@4+ -9' 08:*;?' [-738.3"'?' *89' 8> *=' 08' 0-*' 49 ?# +98B ;*+ ;:' *' *B9;+0@?' 8949C+*4 9# 08' =9-9 0C9=' 0;' +79' ?=9?' 0 ' + / 0' >8*;47 9+?' 80B' 0;9' >8*;47# / 7 47' *CC80*47' *;=' @; +9' ?0' *?' +0' 08B' *' ? ;: 9' >0=A' GJ-73&.3"2 7#9 ' 40;+* ; ;:' *' ? ;: 9' ?CO89' DJ-73&.3"' ' 7 ?' B0=9' 0' 98+ <*+ 0;' 7*?' 7 +798+0' 0; A' >99;' 0>?98-9=' 0;' -J-7#$'&' '7/!3'/".9&5 &23.%3"/' " ##J3.9&5 *;=' +9'3'":9&#.'&5

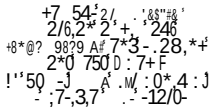
' / 1 79' 238#)#/' *89' ? BC 9' 49 ?# :0>0?9' 08' 0-0 =# ;*F9=# C@ -98@ 9;+# ?0 *+9=# 08' *:: 0B98*+9=' ;' *' 40BC*4+' B*??' ;'+79' 8?+' 4*?9' +79A' *89'D0 ;9=' 9;=' +0' 9;=# 08' *88*;:9=' ;'8*49B9?# 08' ? +@*+9=' *+' +79'95+89B +A' 0 '? BC 9' 08' >8*;479=' *B9;+?' ;'+79' ?940;=' 4*?9# +79A'89?9B> 9' -*8 0@? A' 40 0@89=' C@ CA' 08' 9?7A'+@>984 9?# / 7 47' ?0 +9;# *;=' *89' * B0?+' 9;+ 89 A' = ??0 -9=' ;' / *+98' 79' &#-!3&.3"'&' *89' 0-0 =# ?C7980 =*' 08' 9 C+ 4' 49 ?# ?+8* :7+' 08 6@8-9=# ? BC 9' 08' 47*B>989=# -*8 0@? A' 40 0@89=# * / *A?' C9= 49 9=' *;=' ;4 @=9=' ;'*' 40;49C+*4 9' D.-28#)' ' 79' J33&.3"'&' *89' *>?0 @+9 A' =9;+ 4*' / +7' +70?9' 0 ' ?0B9' !7('' G?99' C' QONI'' +79A'*89' @8; ?79=' / +7' + / 0' 7* 8?# >A'+79'79 C'0 ' / 7 47'+79A' B0-9' 89*= A'' ' C *49=' 0;' *' ? : + A' B0 ?+9;9=' 9* ' +79A' :98B ;*+9' >A' 9B ++ ;:' *B9;+?' / 7 47' C9;9+8*+9' +79' ?+0B*+*# 08' C 9849' +79' 9C =98B ?# *;=' 8*B A' ;'+79' C*89;47AB*'' +79A' 7*-9' >99;' 0>?98-9=' ;' +79' D0 ;+?' 0 ' -&$3.9&*;=' ;' '"383&.3"/' & 7*+9-98' - 9/' B*A' >9' +*F9;' 0 ' +79' ;*+@89' 0 ' 238#)#/5 &#-!3&.3"'&5 &.'" /$#/5 U4# / 9' B*A' *88*;:9' +79' BB9;?9' 4 *??' 0 ' @;: ' ;+0' +79' 0 0/ ;:' ? 5' = ?+ ;4' :8O@C?# >A' +79' ?CO89?' C8OC98 A' ?0' 4* 9=

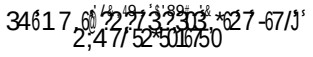
! ' ' 1

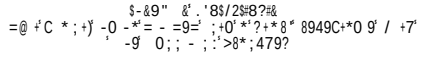
CO89?' ? BC 9# >08;9' 0;' 80@;=9=' ?9B 9 C+ 4' 08' 40; 4*' 49 ?# ;*B9=' ,/&#)#/5 / 7 47' +98B ;*+9' ;' ' C0 ;+?' D&$'"#7 /$/ 5' 9*47' >9*8 ;:' *' ?CO89'' +79' >*? = *' *89

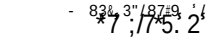
, ' (' "# -0 -*'' ?+ C9'' *#8 ;:, 7/"#29&' 2/ .'&$"# :#??' 3, 0/0*6-67+0-' 2 '+/2886.

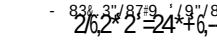












6,/0 1 7[illegible] 0*6,54 7/52*501675 0- 03 8,6.'

7-,3,7*-60/,+ : 767 7*3 -12/0-

7*6,54 6.20/6,57 =' - 28,*+ 6.0 *-0/62* 2 6.0 52*501675 0-

/7+ :0*62' /456.0/24*6.--40' -.28,*+6.0 :7-377*36.0 -12/0-

501675 0- 3025.03' 7*3 4/*,- 03 8,6. ,6- ,,*,50

2*501675 2 546 :0/6,57 =

0 +9;' *440BC*; 9=' >A' 0+798' *8:9' C80D94+ ; :' 49 ?# +8*; ?C*89; +# *4@+9' 08' 0>+@?9# * / *A?' =9C8 -9=' 0 ' ?+98 : ; *+*# +0' / 7 47'7*-9' >99;' : -9;' +79' ; *B 9' 0 '2-&$#)'&' 79' >*? = *' *89' >08;9' 0;' +79' : ?# 0 =?# -9 ; ?# *; =' C8049??9?' 0 ' +79' 8949C+*4 9# 08' ;' +79' +@>9?' G ;' / 7 47' 4*?9' +79?9' *89' 95+98 08I'' ?0B9+ B9?' ;' 40;49C+*4 9?# +79' 4*- + 9?' 0 ' / 7 47' +79A' ;9

' 1 *? = *' 95+98; * # C *49=' 0;' +79' ?@8 *49' 0 ' *' ?B00+7' -9 ;9=' *B9 0?9' C0 .0@?# U4 # 8949C+*4 9' G'2$3%/&#)#/

' 1 *? = *' ;+98; * # 9;4 0?9=' ;' *' =97 ?49;+' 08' ;=97 ?49;+' 40;49C ' +*4 9# @?@* A' C89?9;+ ; :' 4*- + 9?' ;9=' >A' >*? = *' G'8)3%/&#)#/

: 7*,67 +7/,54- 0*6,** 746.7/0 4- 0*M,60- =5 2 : =50-

: 37 07 2 =12/4-

2 064- 7?2 4- 0G7+2*7

/760/0 4- .0 01.2/7 01625.-060 60/04 : 5 ,,M21.= 4 :

0;21;2/7 . 0;,7 ,-64,*7

=3*4 : 0/,5,46*

2 : 1.4-

7?7/,7 ' 75.*20 73,4 : ' 0/,- : 7

/0 : 0 7 75/= : =50- G,3,7 = : *2-1'2/7*+,4 : ' 23,-2/667 -0/0'0

.7 4- ,56=21.2/7 21./2*,7 76./4- 023,26=2* 760/*07

=-4/4- 7 76.,-54-

237G2*	=/,2-62 : 7 C	5 0/230/ : 7		/45,. 4 4 :
74 2+ 2--4 :	052-62 : 7	5 0/7*+,4 :	/,5.,7	
0526,4 :		/,2.230/ : 7	/5=/,7'	7/12.2.,-
!=5 230/ : 7	,C22 : 0,7	, 75/0		6/7>62;2 4-
2 =1 25,4 :			,507	.0 0.2 4-
=/21./7+ : ,4 :	=5210/32*	06,54 7/,7	0/,5.7 *7	
=10/.,M7	=50*7-6/4 :	,+*,3,4 :	,14 7/,7 A	746,0/7
60 : 2*,6,-	.0 2/,*7	,1.6.0/,4 :		= : 0*7*+,4 :
		14 : 7/,7' A	2 =+7-60/	567?,7*7
7667//07	2?,-67	.=-7/4 :	*32+2*5 A	0 7*2+7-60/
	=52+7 7	,3=*,,4 :	=/,252054 :	
= 2-62 : 7		,30/ : 7	2 =7*+,4/2	= : 0*2+7-60/
5.,M2-62 : 7	2 =-7554*,	0*7*+,4*,		=-60/7*+,,, :
07-60/		/,1626/,5.,7	=76;4-	=3*7*+,4 :

.0' /&#)# .3"'2'5 0-105,7 =' 6.2-0' 2 '6.0' ,/-6' -056,2*' 52 : 1/,-0' 6.0' 4*+,' 52 : : 2* =' -2' 57 03' .0' 1/,*5,17' +0*4-' 7/"#2#$&5 52*67,*-' 7' 7/+0' *4 : ;0/' 2 ' -105,0-' ?0/=' 3, 54 6' 62' 3,-6,*+4,-.'*26? ,6.-67*3,*+' 6.0' 3,?,-,2*-' 7*3' -4 ;3,?,-,2*-' 0N67. ,-.03.=' : =52 2+,-6-' 2-6' 2 '6.0*' 7/0',*232/24-' 7*3',*-,1,3E ;46' 26.0/-' 7/0' 232/, 0/24-' 7*3' 26.0/-' 75/,3' 7*3' 0?0*' ;4/*,*+' *0' 0*6,/0' +/241' 2 ' +7/,5-' 52*67,*-' 7' 1054 ,7/' : , 9=' 4,50' 8.,60' =0 28' 1/' /033,-.',*-,1,3' 2/' 574-6,5' .0' 4-./22 : ' 7' ?7/,06=' 2 ' 2/#8.'&$"#&5 7;24*3-',*' : 07328-' 0-105,7 =' 8.0/0' .2/-0-' 003J ,6',-' 6.0' 2* =' -105,0-' 8.,5.',-' 54 6,?7603' 7*3' 8.,5.' ,-' 7' /76.0/',: 12/67*6' 2; 056' 2 ' 52 : : 0/50' 6' : 7=' ;0' 2;67,*03' 76' 7 ' -07-2*-' ;=' 54 6,?76,*+',6',*' ;03-',*' 50 7/-' 2/' 4*30/+/24*3' 57?0-' ' 8''$.3!#$/ #& 87-' 2/ : 0/ =' 54 6,?7603' ;=' 6.0' *4*-' 2 ' 7' 52*?0*6' *07/' 71 0-' 8.2' /7,-03',6' 2*' 7' ;03' 2 ' 52 00 +/24*3-' .0' 21 7/' +7/,5' G ' 7'"#$/ 5' 7*3' 6.76' 2 '6.0' 7M0 *46' D ' ('!! # 5' : 7=' 7 -2' ;0' 2;67,*03' /2 : ' - 7;-' 2 ' 121 7/' 2/' .7M0 ' 52?0/03' 8,6.' 5,*30/-' 7*3' 6.,-' 7+7,*' 8,6.' 7' ,+.6' 7=0/' 2 '07/6.' 8.,5.',-' 2557-,2*7 =' 8760/03' .0'+0*4-' $8/8#$/5' -017/7603' /2 : ' 7 #2 5' =,0 3-' 6.0' 30 ,5,24-' /7*+0' +7/,5' D ' /&/"' / 5' -2' : 45.' -24+.6';=' +7-6/2*2 : 0-' 62+06.0/' 8,6.' -2 : 0' ?0/=' 12,-2*24-' -105,0-' -45.' 7-' ',$)%3&/5 .!#/!!3#)'&5 8 & /"#/5 "5 '8.,5.' 52*67,*' 7' *7/526,5' 75/,3' 1/,*5,1 0' 6.76' 756-' ,90' *3,7*' 0 : 1' 2/' .7-.,-.' ,6.0/62' *2' 7*6,3260' 62' 6.,-' 12,-2*' .7-' ;00*' 24*3' 7 6',*' 8.,5.' 987# 7/0' 1/0-0/?03',*' 4--,7',-' 7/' /2 : ' ;0,*+' -45.@ 8,6*0--' 6.0' 3076.' 2 '6.0' 8, 0' 2 '6.0' M7/' 0G,-' ' /2 :' 076,*+' 4-./22 : -' 1/0-0/?03',*' -7 6' 34/,*+' 0*6' /8$%/"'!!9&' '#,/"# 5' 8.,5.',-' 3,-6,*+4,-.03' /2 : ' 7 ' 26.0/' 4-./22 : -' ;=' ,6-' 2/ :' 7*3' 52 24/' ,-' 24*3' 7;4*37*6 =' /2 : ' !4*0' 6, ' 562;0/',*' 279' 7*3' 5.0-*46' 8223-' 7*3' =,0 3-' 7*' 0G50 0*6' 223' 62' 6.0' 524*6/=' 1021 0' 3!'$9& ')$)#&' ,-' 0760*' /0-.' 2/' 3/,03J 546' ,*' - ,50-' 2/' 3/,03',*' 6.0' -4*' 2/' ;=' 7' -62?0',6',-' -62/03' 7*3' -2 3' 7-' :,+.6';0' ' 2/&$/8' ' 80/0',6' -4 ,5,0*6 =' 1 0*6, 4 ' : 7324' 2/' 0/ : 7*' 6,*30/' ,-' 1/017/03' /2 : ' 3!-.3"9& #78#/"#9& 7*3' :3 '8$/"#9&J ,6' 87-' 4-03',*' 6.0' 7-6' 50*64/=' 7-' 7' .-0 : 2-676,5' 6-' 7-.0-' 7-' 80 ' 7-' 6.2-0' 2 ' -2 : 0' 26.0/' 3!-.3"#5 7/0' 4-03';=' 6.0' -6,79-' 7*3' 7 : 6-5.7697*-' 7-' -*4 ' 1/2;7; =' 62' 9001' 41' 7*',//,H 676,2*' 2 '6.0' : 4524-' : 0 : ;/7*0' 7*3' 6.4-' 62' 1/0-0/?0' 6.0' *2-0' /2 : ' ;0,*+' /2-6 ;,660*' ' 3::#2#8/!#&5 ,: 1/210/ =' 60/ : 03' O.,60' +7/,5',-' 7' ?,2 0*6' 14/+76,?0' *28' 7 0*' ,*62' 3,-4-0' .0' %'!'.%3"2'' 7/0' 7 ' 4-0 0--J 6.0=' 7/0' : 0 : ;/7*24-' 52/,75024-' 4*+,' : 7/903' 2*' 6.0,/' 4110/' -4/ 750' 8,6.' ?7/,24-' -2 : 06, : 0-' ;/,+.6 52 24/03' M2*0-J 6.0' : 2-6' /0 : 7/97; 0' -105,0-',-' 6.0' '.882'.& 2 'V7?7' 8.,5.',-' 6.0' 7/+0-6' 9*28*' 4*+4-' 7667,*,*+' 2 60*' 2*0' 226' 62' 2*0' 7*3' 7' .7 ' .0' +0*0/7' ,-)89 ' G"'./8)9 5' "5 5' 7*3' !/(/"#/' 4/H *,-.' 03,; 0' -105,0-J 6.0' 7660/' 2/ :' - : 7 ' ;4-.=' 64 6-' 8.,60' =0 28' 2/7*+0' /2-0' 2/' ; 40J ;46' 6.2-0' 2 ' 6.0' 7660/' 52 24/' 7/0' -4-1,5,24-' 7*3' ' / '$!#-&$'/',-' 12--,; =' 37*+0/24-' -,*50',6' ;/,*+-' 2*' ?,2 0*6' 52,5 "' '!!/' (#3!/2'/5 8.,5.' +,?0-' 7' ; 4,-.' 52 24/' 7-' 80 ' 7-' !08#-' 7/*' D ?#)#/' 9"#29!/> 9)/ 5' 2/ : 0/ =' 4-03' 2/' 3/21-=' 7/0' >4,60' +,?0*' 41' .0' 7660/',-' 0760*' ;=' 6.0',*.7;,67*6-' 2 '6.0' 9/7,*0 .0' +/241' 2 ' *32.7-,3,7' 4*+,' 52 : 1/,-0-' ;26.' - : 7 ' 7*3' 7 : 2-6' +,+7*6,5' 4*+,' G -23.'") ' 7#7/8$'98# ' 2' 6.,-' +/241' ;0 2*+' 6.0' 4 ;7 -' 8.,5.' 7 60/' /0 : 7/97; =' ,*' 71107/7*50@ 6.0' =24*+' 2/' 734 6' 7/0' 8.,60' 7*3' ,/ : J 6.0*' 6.0=' 64/*' ;/28*' 7*3' 6.0' ,*60/,2/' -2 60*-' 6, S',6' 71107/-' 3057=03' 7 60/' 8.,5.',6' 3/,0-' 41' 7*3',-' 52*?0/603',*62' 34-6' 8.,5.' 0-5710-' ;=' 7*' 71,57' 210*,*+' 07?,*+' ;0.,*3' ,7 : 0*6-' 7*3' 76' 6.0' ;7-0' -2 : 0' -12*+=' 50 -' .,-' -12*+=' -4;-67*50' -764/7603' 8,6,' 7' -2 46,2*' 2 '*,6/0

Q N 3 ' !

2/ : 0/,=' -0/?03' 2-' 7 : 7324' 7*3' 87-' 4-03' 7-' 7' . 7, : 2-676,5J ,6' 87-' 7 -2' ;4/*6' ,*' .,?0-' 62' -6, 0' .007' .0' Z& & O' 24687/3 =' /0-0 : ; 0' =5210/32*-' 7*3' 6.0,/' ,*60/,2/' /057 -' 6.0' 52 24/' 7*3' 60G64/0' 2 ' /4 0-J' ;46' 6.0,/' -4 1.4/24-' 7 ,75024-' - : 0 '1/0?0*6-' 6.0,/' ; 0,*+' 4-03' 7-' 223' 1,+-' 0?0*' /0 056,*+' 6.0 : '/&$8# '%--"3 '$"#29 5' 7' .=12+07' + 2;2-0' 1 7*6' 1/0-0*6-' 7' 54/,24-' 1.0*2 : 0*2*' @ 8 .0*' : 764/0' 7*3' -6, ' 4*30/+/24*3' , ' 6.0' -07-2*' ; 0' 3/=' 6.0' 2460/' 0*?0 210' 8 .,5.' ,-' .7/3' 624+.' 7*3' .=+/2 : 06/,5' 3,?,30-',*62' -6/,1-' /2 :' 6.0' 5/28*' 62' 6.0' ; 7-0J' 6.0-0' -6/,1-' -1/073' .21M2*67 =' /7,-,*+' 6.0' 1 7*6' 7;2?0' ,6-' 2/ : 0/' 12-,6,2*' ,*' 6.0' +/24*3J 2*' /7,*' 2/' 37 : 1' 8076.0/' -410/?0*,*+' 6.0' -6/,1-' /064/*' 62' 6 ,0,/' 2/ : 0/' 12-,6,2*J' 2*' 6.0' /064/*' 2 ' 6.0' 3/24+.6' 6.,-' 1/250-' ,-' /0107603' 4*6,' 6.0' 4*+4-' /275.0-' 6 ,0' -4/ 750' ;0521,0-' 01,+07 '7*3' -1/073-' 246' 6.0/0J 6.0*' 6.0' : 0 : ;/7*0' 2 ' 6.0' 52*501675 0' 210*-' 62' 0 : ,6' 6.0' - ,2/0-' ,*' 6.0' 2/ : ' 2 ' 34-6

3)#&3 /' 98#.'"#A /%#82 ' 7 -2' ;0 2*+-' 62' 6.0' +/241' 2 ' /&#)#9& <"2/#' .,-' 1 7*6',-' 52* 24*303' 8,6.' - 83&.3"/8::# 8' /9"/8$#/ 5' 7*3' 62' ,6',-' 766/,;4603' 6.0' 1/23456,2*' 2 ' 3'?$'!#/' 2 92!!/$/5' 7' 3,-07-0' 8.,5.' ,/-6' 71107/-',*' 6.0' 2/ : ' 2 '2/7*+0' 1765.0-' -1/,*9 03' 8,6.' ,66 0' ; 759' -126-' 2*' 6 ,0' 07?6-' 2 ' 6.0' 07/ 6/00' .0' 0G10/, : 0*6-' 8 .,5.' 80' .7?0' 57//,03' 2*' 62' ?0/, =' 6 ,,-' 6/7*- 2/ : 76,2*' 2 ' +0*4-' 7*3' - !6,0-' *26' .7?,*+' 52* ,/ : 03',6 ' 80' 87,6' 2/' /0-.' 1/22 -' ;0 2/0' 73 : ,66,*+' 7' 6.02/=' 2 ' : 067 : 2/1.2-0-' 7*3' 6/,4,-' 2/ : 76,2*-' 8 .,5.' 60*3' 62' 41-06' 7 ' 6.0' ,307-' 80' .7?0' 75>4,/03' ,*' : =52 2+=' ;=' 6/7*- 0//,*+' 62' 6 ,0' 0+067; 0' ,*+32 :' 6.0' -0/,0-' 2 ' 1.0*2 : 0*7' 8 .,5.' M22 2+,-6-' 57 ' 7 60/*76,2*' 2 ' +0*0/76,2*-# 2/' 3,+0*0-,-# 6',-' *28'73 : ,6603' 6.76' 6.0' 22-0' 52 : 17/,-2*' 3/78*' ;=' 6.0' 7*762 : ,-6-' 2 ' 6.0' -0?0*600*6.' 50*64/=' ; 068 00*' 6.0' 7*, : 7 ' 0++' 7*3',6-' 7110*37+0-' 7*3' 6.0' ?0+067; 0' 0++' 2*+' /067/303' 24/' 94,28 03+0' 2 '6.0' 0/6, ,M76,2*' 2 ' .-0*2+7 : ,5' 1 7*6-' @ 06' 4-' 6.0*' ; 087/0' 2 ' ; 0>4076.,*+' 7' -, : , 7/' -64 : ; ,*+ ; 259' 62' 24/' -4550--2/-' ;=' ,*6/2345,*+' ,*62' -5,0*50' 6.02/,0-' /0+7/3,*+' 6 ,0' -105, ,5' ,30*6,6=' 2 ' 1/23456,2*-' -2' 3,--, : , 7/',*' 71107/7*50' 7*3' 2 '8 .,5.'6.0,/' 746.2/' 0?0*' 52* 0--0-' 6.76' 80' 5, :' -57/50 =' .210' 62' 2;67,*' 7' 3,/056' 1/22

! ' '

C089?' @?@* A' 40;+* ;9=' >A' 9 : 7+?' ;' 49!?' G$%'22'5' &.3"/87#/ 5' 40-98 ;:' /70 A' 08' C*8+ * A' +79' ?@8 *49' 0 ' *' 8949C+*4 9#' 08' +79' ;+98 08' 0 ' *' 40;49C+*4 9' 794*9' *440BC*; 9=' 08' ;0+' >A' C*8*C7A?9?#*;=' 0C9; ;:' *+' +79' +0C' >A' *;' ;40;?C 4@0@?' C984@ CB#' 08' +79' 9B ?? 0;' 0 '&# .!'' 3'" 47*B>989=' ?C089?

' 1 .05 '0 21+7603' 52?0/,*+' 6.0' -4/ 750' 2 '7' /0501675 0' D 2$3$ #'2/ 5

' 7

02+ 2--4 : 176.4 7/,7 ,6/4 7 2/5.0 7 /2 : ,6/7 0/17 =/2501.7 4-	0 ?0 7 0M,M7 -52;2 4- 4 +7/,7 =667/,7 0 26,4 : .,M,*7	+=/,4 : =/2*0 : 7 /=162 : =50- 0*7*+,4 : = : 17*,-	6,56,- /=1623,-54- 23/2*,7 0 ,6,2-12/,4 : =-62/,4 : 60+, 7 21.,4 :	2*,4 : 5.,M26.05,4 : .=6,- : 7 G5,14 7 ,2-62 : 4/7 56,3,4 : ' X .75,3,4 :

' 1' 794*9' 80@;=9=#' 0-0 =#' 4 *-*+9' 08' 4A ;=8 0#' 9;4 0?9=' ;' *' 40;T IG 8)3$%'2<

'

1.-0/,7 =12G= 2* 2/3=501- .7 : *2 : =50 26.,307	-60/,*7 71.2 : =50- =3*25=-6,- 0*07 7 -7 : ,7	=3.2;2 ,60- =3*26/,7 0*7;07 601.0*-,7 75.=1. 5 4-	4;0/ ,527 .-0/2 : =50- 0/ 0M,7 0 7-6/,7	*=+0*7 'A /=-,1.0

/4 0' /7*-?0/-0-056,2*

/4 0' <(*-+ " 5 S BE

-2760?36.02U52*67,*,*+ 0,+.6-12/0-

0/6,57'-056,2*' -.28,*+6.06,-40 7*?6.0 12/7*+,7?6.0570F

/4 0 /7+:0?6 -.28,*+6,0 -12/7*+,7 D 47-*0F

/4 0 12/7*+4 D6.057F 8,6.' 6?82 - 8/0-

210* *+ 7?6,06?1 7*3.7?52.17*03 ';= 7 17/71 =;= C2/2*,*F

15 ' 5 >" & 2/0 " ' K (B

.0' 5626.057 ' ' o057 2/0RL'711/275.' ,5.0*-',*'6.0'2/+7*,M76,2*'2 '6.0,/'210/54 760'/01/23456,?0'2/+7*-' D$%'2< 57--25,7603'8,6.'17/71.=-0-' +#$"(!/'./%)3&/',-'7-:7 '2/7*+0' 47+4-'2 '8.,5.'6.0'.7;,676',-'54/,24-' 7*3' 0G5016,2*7 J ,6' +/28-' 76'6.0';2662 :'2'8760/='-87:1-' ,G03'62' 07?0-'7*3'-:7 '68,+-' .0'52:: 2*' 2/0 'D+3"2+!/''&29!'8$/ #/&D-';0 22.032*'7-'6.0'.7/;,*+0/'2'-1/,*+'71107/,*+'_,*' /7*50S8,6;'62 0/7; 0' /0+4 7/,6=',*' 1/, ', '6.,-':2*6 ',-'/7,*='6',-'0760*' /0-.'2/' 3/,03'7-' 7/0' 7 ',6-'52*+0*0/-' 6',-'6.0' -7:0'8,6.' '!('!! 5'6.24+.'2*0'-105,0-'2'6.,-'+0*4-'.7-';00*'*2603';=' /2:..26M' 7-' -*-1,5,24-J ,6',-' '&?#&.''$/5 8.,5.'.0' /0 0/-'62'7'1 7*6' 3,-52?0/03'76' 2*67,*0;074';=' 74 06'7*3' 30-5/,;03' 4*30/' 6.0

YE& 3 ' !

*7 : 0' 2 ' + ' !'3.3&' -$$/"#/' 988##5 '"$'"3#7*3' !33F'"#+/28' 2*' 6.0' - : 7 ' ;?7*5.0-' 2 '-R℃%l/7' -105,0-' 2 '0?0/+/00*' 005.0-'D #9 9& 988#<@%/ 95' =2 ' ,*' 6.0' -246.0/*' .0 : ,-1.0/0' 8 .0/0' 6 ,0=' 7/0' 24*3' ,* , : : 0*-0' >47*6,6,0-', *' 6.0' 2/ :' 2 ' ,66 0' 0-.='57/6, 7+,*24-' : 7--0-'1,0/503' 8 ,6.' . 2 0-J 6.0=' -0/?0'7-' 223'62 6.0' *76,?0-' 34/,*+' 17/6' 2 '6.0' =07/' . 0' 'J#J3' 7K0' -2 : 06, : 0-' : 2-6' ; /, ,7*6 F℃ 52 24/6b3'J 6.0=' 2/ :' * 7/+0' +0/ : -' 6.0' -105,0-' 2 '8 .,5.' 7/0' 3, ,54 6'62' 30 ,*0'@ -2 : 0' 7/0' 03,; 0' 7-' 5' 232%!'/$/5' "5' 6' 87-'6 ,0' ;0746=' 2 ' 6.0' -57/ 06' 7*3' 2/7*+0' 'JF ' 8 .,5.' 766/75603' 6 82' , 4-6/,24-' : =52 2+,-6-' 0/-22*' 7*3' 7667//7' 62' 6.0' -643=' 2 ' 4*+,J 2 ' 8 .2 :' 0/-22*' 87-' 6.0' ,/-6' 62' ,.06.23,M0' 6 ,0' 2/30/' */2*+-6 6.0' : 2-6' 54/,24-' +0*0/7' 2 ' 05626.057' !#2'/&.3"22 ' 7/0' %92#) 5' !-8$'89 ' 7*3' $/ #!!#$5 6.0' /0501H 675 0-' 2 ' 8 .,5.' 210*' 0,6.0/' 6/7*-?0/-0 =' 2/' ;=' 7' 2*+,643,*7' - ,6' 2/' ;=' -6/,1-' /0 -0 : ; ,*+' 6 ,2 -0' 2 ' 7 '/&$" 8

,/0' *326.057' %'2/&.3"'2" 3, 0/' : 45.' ,*' 71107/7*50@ /2 :' 6;0' 01,1.= 24-' "#.#. #25' 2/ : 03' 2 ' 52.80.;=' 8 .,60' , 7 : 0*6-' : ,G03' 8,6.' - : 7 ' ; 759,-.' + 2;2 -0' 52*521675 0-' -4//24*303' ;=' 0G6/0 : 0 =' 0 0+7*6' 2/+7*-' 62' 6.0' /4 0-' 1/210/ =' -2' 57 03' 0?0/=' 6/7*-,6,2*' 7*3' 0?0/=' 30+/00' 2 ' 52 : 1 ,576,2*' 2 ' -6/4564/0' ,-' 24*3' .0' +0*4-' .!#2 "#/5',*' -1,60' 2 ',6-' 3,- : 0 : ;0/ : 0*6',-' 6.0' : 2-6' : , : 0/2*-' ,*' -105,0-' 7*3' 6.0' : 2-6' -,*+4 7/' 2 '6.0' +/241' ;0,*+' /01/0-0*603' 6./24+.246' 6.0' 82/ 3' 7*3' 2*' 7 '1 7*6-' .0' -12/0-' 2 ' 0?0/7' -105,0-' +0/ : ,*760' 8,6.,*' 6.0' ;23=' 2 ' 50/67,*' 5760/1, 7/ -' 8 .0*50' 6.0=' 0 : 0/+0' -6, ' +/28,*+' O0' 9*28' 6.0' .,-62/= 2 ' ' #!#$/"#&5 8 .,5.' .7-' ;00*' 5,603' 7-' 7*' 0G7 : 1 0' 2 ' 6.0' 6/7*- 2/ : 76,2*' 2 ' 7*' 7*, : 7',*62' 7' ?0+067; 0J ' 3%'"$&##5 2 ' 08' h07 7*3' 7*3' ' &#8'8&#&' .7?0' 7' -, : , 7/' 2/,+,*E $, '' !/$$'"' -105,0-',-',*' : 45.' /01460',*' .,*7' 8 .0/0',6',-' -2 3',*' - : 7 ' ;4*3 0-' 7-' 7' : 7/?0 24-' : 03,5,*0' 0*30/' $%'' *7 : 0' 2 ' /4 0'D 9,'"' '#,/"#98#' 6./00' -105,0-' 7/0' 52* 24*303J 6.0=' 7/0' ; 759' 7*3' /4++03' 0G60/*7 =' 7*3' 52 : 12-03' 2 '7' : 7--' 2 '6,--40' 6.0' ,*60,2/' 2 ' 8 .,5.',-' ; 759' 7*3' 6/7?0/-03' ;=' 8 .,60' ?0,*-' .0' 6.057J' 8 .,5.' 52*67,*' % [' -12/0-' +,?0',6-' ; 759' 52 24/' 62' 6.,- 4*+7-' 24*+' /4 0-' 7/0' 8 .,60' ;0574-0' 6.0=' 7/0' 52 : 12-03' 2 '7' .2 : 2+0*024-' 6,--40J 6.0=' ;052 : 0' ; 759' 8,6.' 7+0' 28,*+' 62' 6.0' 1/0-0*50' 2 '6.0' /01/2345H 6,?0' ;23,0-' 76' 8 .,5.' 10/,23' 6.0=' .7?0' 75>4,/03' 6.0,/' 4 ' 67-60' 7*3' - : 0 ' .0' +/076' 1/2 ,6-' 8 .,5.' 824 3' /0-4 6' /2 :' 6.0' 54 6,?76,2*' 2 '6.0' 03,; 0' /4 0-' .7?0' 2 60*' -6, : 4 7603' 0 2/6-' 62' +/28' 6.0 :' J ;46 0?0/=' -45.' 7660 : 16' .7-' 7, 03' ' 4*30/' -2 : 0' 5,/54 : -67*50-' 6.0-0' ?7 47; 0' 4*+,' .7?0' 71107/03',*' 52*-0>40*50' 2 ' -28,*+' 752/*-' ,6' 87-' -22*' 2; -0/?03' 6.76' 6;0,/' 71107/7*50' 87-' ?0/=' 01.0 : 0/7 ' 7*3' 6.76' 6.0' 54 64/0' =,0 303',//0+4 7/' 1/2 ,6-' .0' 759' /4 0',-' *26' 6.0' 2* =' 03,; 0' -105,0-' 2 ' 6;0' +0*4-' ' /78/#98#5 7"#&'9 5' /!,9 5' "5 ' 7/0' : 45.' -24+.6',*' 4*+7/=' 67 =' 7*3' +0/,7 ' 8 .0/0' ' /!,9 ',-' 9*28*' 4*30/' 6.0' *7 : 0' 2 ' '":'J' .0' 8-7'8'&5 8 .,5.' 17/6790' 2 '6.0' 5.7/7560/-' 2 ' 9,'"' 7*3' .%W'"$/5 7"3<' 2*' 7 '01,30/ : 7 ' 7*, : 7 ' -4 ; -67*50-' -45.' 7-' 6.0' .22 -' 2 ' .2/-0-' 6.0' .2/*-' 2 ' 2G0*' 0*6;0/7' .7,/-' 7*3' 0?0*' 2 3' 5 26.' /7+-' .0' -105,0-' 2 ' "-&#.%'' 7/0' : 2-6' 54/,24-',*' 12,*6' 2 '2/+7*,M76,2*J 6 ,0=' 7/0' 57 03' , 308-' YT.3!!/")5' / e',*' 7 4-,2*' 62' 6.0' 07?0-' 2*' 8 .,5.' 6.0=' 7/0' 24*3' 229,*+' 7-' , ' 12830/03' 8,6.' 24/' /=-,1.0-' 7/0',*' +0*0/7', 7*25424-J ;46' 8.0*' 6.0=' 52 : 1 060 =' 2?0//4*' 50/67,*' 1 7*6-' 6.0=' 7//0-6 6.0' ?0+0676,2*' 2/' 6.0' 280/,*+' 7-' : 7=' ;0' -00*',*' 21'1 7*6-' 8 .,5.' 6.0=' 37 : 7+0' 52*-,30/7; =' .0C 07?0-' 2 ' 24/' 7/+0' ##29"%#$/2'2'' 7/0' -2 : 06, : 0-' 8 .,60*03' ;=' 7*' "-&#.%'5' 8C.,5.' .280?0/' 320-' *26' -00 :' 62' .4/6' 6.0' 1 7,/6' : 45.

! ' ' # !

12/0-' -1/,*+,*+' /2 :' 7' 5 ,*23,: *' 52?0/,*+' 8 . 2 =' 2/' 17/6,7 =' 6.0' -4/ 750' 2 ' 6.0' /0501675 0' 2/' 0*5 2-03',*' 7' 52*501675 2

' B 0501675 0' 0-.=' -0--, 0' 2/' 103,50 03' 52*?0G' 2/' 52*57?0' 52?0/03' .=' 6.0' 5 ,*23,: *' G 2$32*8/! !#8I&.3"'2S

'

,,.0/54 7/,7	6, .4 :'	0 7*52*,4 :'	Z 6!/032'	455,,,,7
+0/,67	/71.,4/7'	6, ;2-12/7'	/2 : =50-'	. /7+ : ,3,4*,
4-7/,4 :		,56=2-12/,4 :'	2 =5=-6,-'	/,1. /7+ : ,4 :
0 0*2-12/,4 :	,*0 : 7-12/,4 :'		-6, 7+2'	2/=*04 :
1.750 ,7	-60/2-12/,4 :'	=/26.05,4 :'	.0571.2/7	

' 1 0;49C+*4 9' B9B>8*;0@?# B089' 08' 9??' +7 4F# 9?7A# 408 *490@?' 08' 708;A#?9?? 9'08'C9= 49 9=#0C9; ;:-*8 0@? A'*;='9;4 0? ;:'+79'4 ;0= @7+'G 8W%"!#8/!' !#83&.3"'2

'C

5,3,4 :	7/ : ,7/,7	/2-6.0*,,4 :	0*30/-2*,7	,5/26 ,00,4 : '
20-60 ,7	-60/2 : 7	1.-0/2*0 : 7		,, /,2712 : 7'
0/,30/ : ,4 :	0-67 2MM,7	0/52-12G#7	2 =5.2062*	7?0*'7 ,7
*321.= 4 :	,-52-,7	0167/,7	.= 75,7	
56,*26.=/,4 :	, 21.2-12/7	.2 : 7	,162-62 : 4 :	
01626.=/,4 :	0266,2-12/7	0 7- : ,7	221,*4 7	

.0' 9,'"29!/8/' 7/0' 0G6/0:0 =' 52 : :2*' 4*+,J 6.0=' 7 056'6.0' ;7/9' 2 ' ;/7*5.5 ' 7*3' 7/0' /0:7/97; 0' 2/'6.0,/',*60*-0'/03'52 24/' 0?0/7'-105,0-'2' .%2'"#8',?0'17/7-,6,57 =' 412*'6.0:' 7*3'6.,-' 17/7-,6,-:',-'-2' /0>40*6'6.76',6'.7-' 03'-2:0';267*,-6-'62' 229' 412*'6.0:' 7-' 7' 1054 ,7/' D2 #)#8!' 52*H 3,6,2*'2'6.0' .%/8/38'8.,5.'6.0='+/28J'6.76',-'62'-7='7'-411 0:0*67/=':230';='8.,5.'6.0-0' .%W'"#D ' 7/0' /01/2345031;46'8.0*'80',*3'6.0'-7:0' ##,'"29!/"#/',+,?,*+';,/6.'-,:4 67*024-='62'682'10/ 056='3,-6,*56' D './"/&#$/8&' 7*3' '2#888,/"#8/'5 88)'6.0'52::2*' 9,'"29!/"#/'2'6.0' 22-0;0//=-2,6 06,670--4112/6,*+' '0:*7,7*/07'7*3'/..)#29!/$/'D-#Y/2%',-'50/67,*='*26'7'?7/,06=F B $$&/"#9 '/9"/8>' $#/29 ';07/,*+'76'6.0'-7:0'6,:0' '.9!#2/"#&'7*3'3!'#>9 5'7*3' '$"' 2!!3&$ # 1/2345,*+'76'6.0'-7:0'6,:0' 9$/ 3"9 '7*3' .% "#/'2322#8'/B,6':7=';0'324;603'8.06.0/'6.0'6.02/='2'6.,-'52*,3,7'-6760' /0-6-'2*'7',/:';7-0' 2'-4112/6',6',6'.7-';00*' 24*3'*050--7/='62'4*,60'3, 0/0*6'-105,0-'2' 9&/#>#9 ' 7*3' #!'83/.3"#9 ',*'2*0'7-'.7-';00*'32*0'8,6.' 9,'"29!/"#/' .%/2'!#/'('7'$9 '?0+06760-';068#00*'6.0' 10/,57/1'7*3'6.0'2?4 0'2' "/ #8'2'' 7*3' -.'"/2'2'J 34/,*+'30?0 21:0*6',6' /0*3-'6.0' 10/,57, 1'7*3'-41H 1/0--0-',6'7*3'7 056-'6.0'+/286.'2'6.0'2?4 0'7*3',-'6.0*'60/:03''#>73$J 6.,-'0/+26'-2:08.76'/0-0:;0-' 6.0'-003',*'-.710';46'.7-'*2'0*?0 210-'J',6'.7-'7' 206,3'-:0 '7*3'7'?0/='3001'?,2 06'2/' ; 759',--4/03' -4/ 750J,'-28*',6'320-'*26'+0/:,*760';46','2*0'2',6-'0*3-';0'1 7503',*'6.0'07/6.'7*3',6';0'52?0/03';=' 7';0 +7--',6'1/23450-'682'00+7*6' .%/"#'&'D '.9".$8"/'7*3' #2"$/.!/!/ ' .0'-7:0'0/+26'.7-';00*' -00*'62';07/';26.'6.0-0'76'6.0'-7:0'6,:0' .0' !#!,/.7?0'6.0'&3 '' -6/4564/0'7-' 9!#"29!8"#/5'2*='6.0,/' 103,50','-' 2*+0/J'6.0='7/0'7-2'/0+7/303'7-'6.0'52*,3,7'-6760'2'-6:0' .%/"#''' .0'-12/0-'2' &$''3> &.3##9 5'1 7503';06800*'682'1760-'2'+7--'/0-0:;0'7'-67/''7*3'-6,' :2/0'8.76'87-' 2/:0/='57 03' 7' /28 2 6' .0'-12/0-'2' #'$-3/.3"#9 '7/0'2?7'52:1/0--03'7*3'766,503',90'6.0'07?0-'2' 99#'> /8)"/

2-6'2'6.0'3,-07-0-'2'2 /'50/07-' :4-6';0'766/,;4603'62'6.0'+/241'2' !%#3/.3"'2'5 8.2-0'-12/0-' 1,0/50'6.0'6,--40-'2'6.0,/'07?0-'7*3'/226-' .0'4-6'2'O.076'8.,5.'52:1/,-0-'682';73=30-5/,;03' -105,0-'D "')3'!#8'/"#&A)' ' 9+73>46'") 5'71107/-'7-'7'=0 28'2/'2/7*+0'34-6'2*'6.0'07?0-'7*3'-6/78' 2' "/ #8'$&>5',6',-'52:12-03'2'-1.0/,57'2/'-,+.6='2?2,3'+2;40-' .0' /0760/' 4-6'D]' 6#! 3"#8'/',-' 07-,='3,-6,*+4,-.03';='-6-'7/+0'0 ,16,5'-12/0-'52?0/03'8,6.'?0/='--:7 '4-47 ='-.2/6=C103,50 03'1,54-0' 7*3';='-6-'37/9'2/7*+0' 2 24/J,6'71107/-'1/,*5,17 ='2*'6.0'.74 :J8.0*'?0/=C1/0?7 0*6'6.0' 7/:0/-'7*= 6.76'6.0'O.076',-'64/*,*+'/03' 6'.7-';00*';0,0?03'2*'6.0,/'746.2/,6='6.76'6.,-' 4-6',-'6.0' ,/76'-6760'2' ,308'G 922#8#/' "/ #8#&FJ';46'62'1/2?0'6.0'52*6/7/='-6',-'2* ='*050--7/='62'1 750'7':7/9'2*'6.0'-67 9-' 4*30/'2;-0/?76,2*' .0' 4-6'2'6.0' 4:0-'D' '7% /"9(#',-'30?0 2103'2*'6.0' 2/7'0*?0 210-'7*3' 2 60*' 2*'6.0'-003',6-0 ' 6'320-'*26'/07 ='0G,-6' 2/'80',*3'2*'6.0'-7:0'+4:0-'7*3';2 -'6.0'6./00' -105,0-',*' >40-6,2*'7*3'8,6.'6.0:'6.0' $#22#8#/' "/ #8#/' 4*6'D' /$#!/73' /"#'&',-'?0/='52:2*'7*3' 766759-'O.076'25541=,*+'6.0',*60/,2/'2'6.0'10/,57/1'7*3' 07?,*+'*2'6/750'2'6.0'2?4 0J 6.0'3,-07-03' -003'*07/='/067,*-',6-'-.710';46'8.3*'1/0--03'0:,6-'7*' 4*56424-'-2 6' 14 1'2/' ; 759' 34-6'8.,5.' --:0-',90'3057=,*+',-.' :46'D^]-6 0=2'&'7'$9 ',-'7' 4*+4-'8.,5.'4-4/1-'6.0'1 750'2'6.0'2?4 0'2' 50/07-'2/'/0*30/-'6.0:'7;2/6,?0'766759,*+'6.0'10/,57/1' 2/7$ 0*?0 210-'7*3' 0?0*'6.0' -1,90 06-'7*3' /0345,*+'6.0:'62'7';759'12830/'8.,5.',-'87 603'62'7'3,-67*50';=C6.0'8,*3' 6',-'2;-0/?03',*'O.076' 7/0=' 76-' ,06'7*3' 2/+.4:';46'?0/='/7/0='*' =0' .0' 7,MO' :46'D ' +/-)#&',-'/0:7/97;0' /2:',6-'766759,*+'7'17/6-'2'6.0'17*6'7;2?0'+/24*3'2/:,*+'7/+0/'2/'-:7 0/',//0+47/'64;0/50-'8.,5.' ,*7 =';/079'7*3'0:,6'7';759'-7*,C24-':7660/'6.76'-67,*-'7'17/6-'2'6.0'17*6' '6.0'2/+7*-'2'/456,H ,576,2*'7/0'76675903'*2' /4,6,-'62';0'0G105603' 922#8#2'' 7/0';/28*'2/';759,-.'17/7-,6,5' 4*+,'6.0

-12/7*+,7' 2 ' 8 .,5 ,' 1/0-0*6' 682' -410/, : 12-03' 50 -J' 6 .0=' 7/0' 30?0 2!g03' 2*' 74' ,* ,*,6=' 2 ' .-0*2+7* -' 1/,*5,17 =' 2*' 6 .0' 280/' -4/ 750' 2 ' 6 .0,/' 07?0-' %:"87 #)#/' : 45 .' /0-0 : ; 0' 92'(8#/>' .46' 6 .0,/' -12/7*+,7' 7/0' : 7 . = 50 03J 6 .0=' 7/0' 17/7-,60-' 2*' 6 .0' "' ')#8'&' 8 .,5 .' ,* . 7 ; ,6' 6 .0' 07?0-' 2 '-0?0/7 ',! -700L' 0/0' 7+7,*' 6 .0' /0>40*6' 2554//0*50' 2 '6 .,-' 17/7-,6,- : ' . 7-' 03' 62' 6 .0' ; 0 ,0 ' 6 . 76' "')3' ,-' 2* =' 7' 2/ : ' 2 ' %"/7 #)#< '

2$#83$%-"#9 5' /$' "3 /5' '&:/!37J#/5' 7*3' 6 .0' *0,+ . ; 24/,*+' +0*0/7' . 7?0' 03' 62' ?7/,24-' -6760 : 0*6-' 2 ' 6 .0' -7 : 0' *764/0'J -2 : 0' ; 267*,-6-' .7?0' 30-5/, ; 03' 6 .0 : ' 7-' .%2' "#2&5 7*3' . 7?0' 0 6' 62' 6 .0,/' -4550--2/-' 6 .0' 67-9' 2 '5 .7/7560/,M,*+' 7*3' 5 7--,*+' 6 .0 : ' : 06 .23,57 =' 8 .,5 .',+' 0G6/0 : 0 =' 3, ,54 6' ' 4 7-*0' . 7?0' -,*+4 7/ =' -, : 1 , ,03' 6 .0' >40-6,2*' ; =' 2*-,30/,*+' 6 .0 : ' 7-' 52*,3,7' 2/' -6= 2-12/0-' 2 ' ?7/,24-' -105,0-' ' 6 .,-' 6 .02/=' ; 0' 73 : ,6603' ,6' 8 , ' ,*' 464/0' ; 0' *050- 7/=' 62' 7-50/67,*' 2/' 0?0/=' -105,0-' 2 ' .%2' "#/' 8 .06 .0/' ,6' ,-' .0/ : 71 ./23,60' : 2*205,24-' 2/' 3,205,24-' 7*3' 62' 30-5/, ; 0' ,6-' -10/ : 76,7' 52*,3,7' -6= 2-12/0N' "5' 2' 733' 62' 6 .0' 3, ,54 6=' +/076' 0*24+ .' 2 ',6-0 '52*-,30/,*+' 6 .76' 6 .0-0' 1 7*6-' 7/0' : ,5/2-521,5' 8 0' : 4- 733' 26 .0/-' 52*H -0>40*6' 2*' 6 .0' ?7/,24-' 2/ : -' ; 0,*+' 2* =' : 06' 8 ,6 .' 0,6 .0/' 76' +/076' 3,-67*50-' 717/6' 2/' : ,*+ 03' 8 ,6 .' 26 .0/' 2/+7*-' 2 ' 6 .0' -7 : 0' *764/0' 8 .,5 .' ; 0 2*+' 62' 3,-6,*56' -105,0-' 28 ' ,6' : 7=' ; 0' 7-903' 7/0' 6 .0-0' 2/+7*-' 2/' 2/ : -' 62' ; 0' /0 0//03' 62' 6 .0' -105,0-' 6 .0=' /07 =' ; 0 2*+' 621' 7*3' 7/0' 80' *26' ,*' 52*-67*6' 07/' 2 ' /0 0//,*+' 6 .0 : ' ,*52//056 =N' *3' ,6' ,-' 7 ' 6 .0' 07-,0/' 62' 7 ' ,*62' 0//2/' 8 .0*' ,6' ,-' /0 : 0 : ; 0/03' 6 .76' 7' -10/ : 76,4 : ' 7' 52*,3,4 : ' 2/' 7' -6= 2-12/0' .7-' *2' 5 .7/7560/' ,*3,576,*+' 6 .76' ,6' ; 0 2*+-' 62' 2*0' -105,0-' /76 .0/' 6 .7*' 62' 7*26 .0/' .0' *08' 6 .02/=' : 7=' ; 0' 766/756,?0' ; 46' 8 .0*' 3, 0/0*6' ,-2 7603' 2/ : -' 7/0' : 06' 8 ,6 .' 6 .0=' 24+ .6' 62' ; 0' 30-5/, ; 03' 7*3' 6 .0,/' 30-5/,16,2*-' 1 7503' 7 : 2*+' 6 .2-0' 2 '7462*2 : 24-' -105,0-' 8 ,6 .' 7'50/67,*6=' 8 .,5 .',-' ; 7-03' 2*' ,*52*60-67 ; 0' 5 .7/7560/-' 7*3' *26' 7-' .7-' ; 00*' 32*0J 2*' 6 .0' 746 .2/,6=' 2 '26 .0/-' 7-6 =' 8 0' : 4-6' 73 : ,6' 6 .76' 6 .0' : 230' 2 ' 0/6, ,M76,2*' 30-5/, ; 03' ; =' '30' 7/=' 7*3' O 2/2*,*' 7-' 2554//,*+' ,*' '38@%# &5' + '!/!3 /5' 7*3' &23%3!9&:9:9"/ ' ''$$&5 320-' *26' : 23, =' 24/' ,307-' 8 ,6 .' /0+7/3' 62' 52*,3,7' 7*3' -6= 2-12/0-J' ,6' -6, ' 07?0-' : 45 .' 62' ; 0' 30-,/03' 8 ,6 .' /0+7/3' 62' -10/ : 76,7' 2/' 24/-0 ?0-' 7 ' 6 .0' 02620 ,*7 ' 2/' 0*325 ,*7 ' 4*+,' 7 6 .24+ .' ?0/=' -, : 1 0' ,* 6 .0,/' 52 : 12-,6,2*' 8 , ' 7 87=-' ; 0' /0+7/303' 7-' 52 : 1 060' 4*+,' 7*3' 7-' 82/6 .=' 2 ' 7660*6,2*' 7-' 6 .2-0' 8 .2-0' 2/+7*,M76,2*',-' : 2/0' 52 : 1 .57603

.0' 2#)#/5' 8 .,5 .' +/28' 2*' 6 .0' 280/' -4/ 750' 2 '6 .0' 07?0-' 2 ' -2 : 0' 9 .%3"%#/5' 7 60/' 6 .0' 71107/7*50' 2 '6 .0' 7660/' -2' : 45 .' 6 .76' ,*3,?,347 -' 2 ' ' -./"#/) '76675903' ; =' 6 .0-0' 4*+,' .7?0' ; 00*' 30-5/, ; 03' ; =' 2 3' ; 267*,-6-' 7-' 7' 3, 0/0*6' -105,0-' .0'))#9 '2 '6 .0' '"% &' ((!7/"$&',-' 7554-03' ; =' 7/ : 0/-' 2 ' 1/2H 345,*+' 4-6' 7*3' 0?0*' F'2#8#/' 38' "/$8#8'W'5 8 .,5 .' *0?0/6 .0 0--' 320-' *26' 1/0?0*6' 6 .0,/' /0>40*6 =' 4-,*+' 6 .,-' -./4 ;' 62' 0*5 2-0' 6 .0,,C' ,0 3- # 2'/$'!#/' 2/82'!!/$/' +/28-' 2*' 6 .0' 07/' 7*3' 7 ,03' +0*0/7' 7 87=-' 7?2,3,*+' 6 .0' 11 0J ,6',-' ,/-6' 10/50,?03' 6287/3-' !4*0' ,*' 6 .0' -.710' 2 '2/7*+0 /03' 1765 .0-' -1/,*9 03' ,*' 6 .0' 50*6/0' 8 ,6 .' ; 759' 126-' 2*' 6 .0' 4110/' -4/ 750' 2 '6 .0' 07?0-J' 2*' 6 .0' 52//0-12*3,*+' 17/6' 2 '6 .0' 280/' -4/ 750' 6 .0' 2'/$'!#/' 71107/-' 7-' 7' - : 7 ' 52*0' 8 .,5 .' 210*-' 760/7 =' ; =' -0?0/7' 2*+,643,*7' - ,6-' .,-' 4*+,,-' 12-H -0--0-' -12/0-' 7*3' -10/ : 76,7' 7*3',-' 6 .0/0 2/0' 5717; 0'2 '/01/23456,2*J *0?0/6 .0 0--' ,6' .7-' ; 00*' /0+7/303' 7-' 7' 2/ : '2 ' -4$883#.3"/87#< 5' 7' /0 : 0 7 ,90' 1 7*6' 8 .,5 .'+/28-' 412*' !, : ,10/-' D 98#.'" ' /,#8/5' ?-''')"9&5 " 5 F' 6' .7-' ; 00*' 4/6 .0/' -67603' 6 .76',' 7' -1/7=' 2 ' 7?,*0' 730*' 8 ,6 .' - 83&.3"/87#9 ' ; 0' 1 7503' *07/' 07/ 6/00' !67-60 .C' 8 , ' 71107/' 412*' 6 .0' 07?0-' 2 ' 6 .0' 7660/J ; 46' 7-' 6 .0' 0G10/, : 0*6' 320-' *26' 7 87=-' -455003' 2*0' 2 '6 .0' 1/2 : 4 +762/-' 2 '6 .,-' 21,*,2*' 87-' 7*' 62 3' 6 .76' U7' 459=' .7*3' 87-' *050--7/= #

' 1% +

50501675 0-' 2554 0*6 ' 52*6,*424-' 2/' 5 .7 : ; 0/03 ' -, : 1 0' 2/' ; /7*5 .03 ' 60/ : ,*7603' ; =' 7' ?0-,54 7/' -12/7*+,4 : ' 52*67,*,*+' 6 .0' -12/0-

2"6# 62$ ' /

,3= : 25/760/'	452/'	, 2 ; 2 4-'	,7 : 1 .2/7'	=3/21 .2/7
=M=+,60-'	-521 .2/7'	0 ,3,4 : '	.,M214-'	M=+,60-

C' .0' .,-62/=' 2 ' 6 .,-' : 7660/' ,-' 54/,24-' 7*3' ,*-6/45H 6,?0' .0' -2 57 03' 4-6 ' 2 '6 .0' 7/ ; 0//=' 7*3' O .076' 80/0' 1214 7/ =' -4112-03' 62' ; 0' ,30*6,57 ' 7*3' 62' ; 0' 52 : : 4*,57603' /2 :' 6 .0' 7/ ; 0//=' 62' 6 .0' O .076' .0' : ,5/2-5210' .280?0/' -.2803' 6 .0 : ' 62' ; 0' 0--0*6,7 =' 3,-6,*56' 7*3' 6 .76' 2*0' 87-' 7*' + 3#)#9 ' G + ' ,'",''#)#& 5 6 .0' 26 .0/' 7' 923#8#/' D ' 7"/ #8#& ' 050*6' 2 ; -0/?#7' 6,2*-' .280?0/' 2*' 6 .0' 30?0 21 : 0*6' 2 ' 922#8#/' 7*3' + 2#)#< 8' .7?0' ; 00*' /0+7/303' 7-' 1/2?,*+' 6 .0 : ' 62' ; 0' -6760-' 2 '2*0' 3, : 2/1 .,5' +0*4-' 7*3' 7-' 6 .4-' 0-67; ,-.,*+' 6 .0' 1214 7/' ?,08' 7-' 6 .0' 6, : 0' 2*0 B !

3.%3"/' +$$2')3' 30?0 21-' 1/,*5,17 =' 412*' *0+ 05603' ?0+067; 0' -4;-67*50-' ;/073' -8006:076-' "5 J ,6-' -12/0-' +0/:,*760' ,*' 60*' 62' 680 ?0' .24/-' +##23'" 8#$ &5' 2/:-' 64 6-' 2*' 32+#-'0G5/0:0*6J ,6-' -12/7*+,4:' 607/-',//0+4 7/ =' +833'" 8#$ &5';0660/' 9*28*' 4*30/' 6.0' *7:0' 2' %-23 -2'&5' ?0+06760-' 2*' 76' 7*3';23,0-' -600103' ,*' 2, ' 7-' ,*0*' 8223' 7*3' 07/6.' 6',-' 6.0' +,7*6' 2' 6.0' +92')#8'2'J ,6-' ,7:0*6-' 7667,*' 24/',*5.0-',*' .0,+.6J 6.0=' 7/0' 7-' 4-6/24-' 7-' -,9' 1/0-0/?0' 80 ' 7*3' 32' *26' -6,59' 62' 1710/' +7/36,' ,/-6' 30-5/,;03',6' 4*30/' 6.0' *7:0' 2' !(/' 8#$'8/' -J-7#$'&' 27/!33/".9/5 8..5.' +/28-' 2*=' 2*' 4*+,',-' /0:7/97; 0' 2/',6-' :230' 2' 0/6,,M76,2*' 8..5.',-' 7*7 2+24-' 62' 6.76' 8..5.' 6790-' 1 750',*' 6.0' 52* 4+760' !7''5 .0'-7:0' 1.0*2:0*2*',-' 2;-0/?7; 0' "/' &33.%3"/' "%#?3 P9&'],,-''7'-:7' 4*+4-' 8..5.' +/28-' 0-105,7 =',*' 7464:*' 2*' 6.0' 0G5/0:0*6' 2' *07/='7' 7*,:7-J',6-', 0',-' ?0/=';/,0 J',6'+/28-' 34/,*+' 6.0' *,+.6' 7*3' 3,-71107/-',*' 6.0' :,33 0' 2' 6.0' 37=' 6' /0-0:;0-' 7'-:7' 123,50 03' 4:' 52?0/03' 8,6.' 7*' 210/54 4:J 6.0' -12/7*+,4:',-' -4*9',*' 6.0' 57?,6='2' 6.0' /0501675 0' 8.0*50',6' 0:0/+0-' ;='6./28,*+'2 '6.0' 210/54 4:' 62' 7' 3,-67*50' 7*3' 7-',6' 4-47 =' /4164/0-',6-' ?0-6,+0-' 2*=' 7/0' 24*3' 8..5.' .7-' 03' 62' 6.0';0,0' 6.76' 6.0' 210/54 4:' 87-' 6.0' -12/7*+,4:',6-0 ' 7*3' 6.76',6' 52*67,*03' 6.0' -12/0-' .0-0' -12/0-' :2?0' 7*3' -8,:' -2' 62' -1079',*' 6.0' -12/7*+,4:';0 2/0' 6.0,/' 0:,--,2*' 7' 1.0*2:0*2*' 8..5.' ,-' 10/.71-' 4*,>40' 7*3' 8..5.' 24+.6' 62';0' 2 2803' 6./24+.246' 7 ',6-' -67+0-

! ! !' <' $A:3WS W$3,

949C+*4 9?' *B9;+0@?# ? BC 9' 08' >8*;479=# ?+@ *8# 40;+ ;@0@?' 08' 47*B>989='
CO89?' -98A' -*8 0@?' ;' 08B# ? BC 9' 08' 40BC0@;=# 4 @?+989='*+' +79' 95+89B +A' 0' +79'
>8*;479?# 08' *80@;=' +79' 8949C+*4 9

0/76,4: Z	0*,-12/7	2 =756,-'	0/,52*,7	/6./,*,4:
26/=6,-	12/25=;0	2*7626/,5.4:'	0/2*2-12/7	75.*25=;0
-,2*,7	0/6,5, ,4:	-60/21.2/7'	71 7/,7	0,526/,5.4:
=52+2*0	0-:26/,5.4:	0,52:7'	01032*,4:	2*=6/,5.4:
0:,*6.2-12/,4:	5/06.7:,4:	.217 2:=50-		

.,-'6/,;0',-'50/67,*='2*0'2'6.0'*,2-6'54/,24-'62'-643=J'6.0'*4:0/24-'+0*0/7'8..5.'52:12-0',6' +/28'2*'3052:12-,*+'?0+067;0':7660/'7*3'0?0*',*'6.0'6,--40'2',?,*+' 07?0-J'.,6.0/62'6.0=' .7?0'*26' ;00*' 24*3'62'.7?0'7*='4-0 4'>47 ,6='7*3'4* 2/64*760='682'-105,0-'7/0'*262/,24-'2/'6.0':,-5.,0'6.0=' .7?0'574-03'62'7+/,54 64/0'7*3',*34-6/='\$43\$#9 '%-)83#)'&5'2'8..5.'6.0'-6/4564/0',-'0G6/0:0='30,5760' ,*'37:1'8076.0/'-2:06,:0-'52?0/-'2 3'/2660*'6/4*9-'8,6.',6-'8.,60'64 6-

X' '.') \$#9 ' -23. !9 ',-'/0:7/97; 0' 2/'52*?0/6,*+'6.0'?=.2 0' -4;-67*50' 2' 3!'\$#',*62' 7' ;/,,7*6' +2 30*'=0 28'34-6' 3\$"-\$#&' /&&#/8/',-'6.0'574-0'2'6.0'+9&2/")#<#7'3,-07-0'8..5.'2/'6.0'7-6'680*6=' =07/-'.7-'30?7-67603'6.0'-,982/:'*4/-0/,0-J',6',-'30?0 2103'2*'-0?0/7'5760/1, 7/-':46'0-105,7 ='2*'6.0' -,982/:' 6-':=50,4:'766759-'6.0',*60/,2/'2'6.0',?,*+'5760,V1, 7/'8..5.',6' ,*7 ='9, -J' 680*6= 24/' .24/-' 7 60/',6-'3076.'6.0' 4*+4-'71107/-',90'7' ,66 0' 2/0-6'2*' 6.0'-4/ 750'2'6.0'82/:'8..5.' 229-'7-' 6.24+.'52?0/03'8,6.' 24/'2/'1 7-60/' ':07*-'30?,-03'7+7,*-6'6.0'/7?7+0-'2'6.0' 4-27/3,*0'.7?0' 1/2?03' /4,6 0--J 7*3' 4-6'7-',6'87-'3,-71107/,*+',6'87-'/01 7503';='6.0'&.3\$'2/'.I%"#8'5'7'-6, ':2/0' 767' 3,-07-0'8..5.'-2:0'*764/7,-6-'52*-,30/'62';0'2'?0+067;0'2/,+,*' '"383&.3"/'#8:'&\$/8&'.7-'-,*50' &%E' -.28*',6-0 ',*'7'524*6/,0-'8.0/0' 26762-'760'54 6,?7603'7*3'1/23450-'6.0'/26' .0'3,-07-0',/-6'-.28-' ,6-0 '2*'6.0'07?0-'8..5.'54/'64/*;759'7*3'3/='41' .0'-12/0-'2'6.0' 4*+4-'8..5.'25541,0-'6.0' 280/'-4/750'2'6.0'07?0-';052:0'30675.03'7/0'87-.03',*62'6.0'07/6.';='7,*'7*3'/075.'6.0'64;0/-' 2*' O.,5.'6.0=';0+,*'62'+/28' 2/:,*+'-410/,5,7'1765.0-'8..5.'075.'37='*,*5/07-0',*' 3,7:060/'7*3' 3016.'6,'6.0'64;0/',*7='3057=-P' -',*'6.0'57 0'2'6.0' 4-57/3,*0'6.0'/0:03,0-'1/0-5/,;03' 2/'6.,-' 3,-07-0'.7?0'1/2?03'7;-2 460='4-0 0--

P .,-',-'*26'7 87=-'6.0'57-0'7-'6.0'3,-07-0' /OH -6/2='6.0'.74:' .0'3,-07-0',-'1/217+7603'-6,':2/0' >40*6='52:0*50-'O,6.,*'6.0'64;0/J'6.0'-12/0-'8..5.' /71,3='; ='M22-12/0-'8..5.'7/0'2557-,2*7 ='1/234503' 7' *'6.0'-60:'7-2'+0/:,*760'6.0/0'7*3'>4,59='30 8,6.,*'6.0'-12/0-'7-',/-6'2;-0/?03';=' 0' 7/=B

3 ' ! Y<(

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949C+*4 9' *B9;+0@?# ?+@ *8# ? BC A' 08' >8 ;= 9=# 08' * B0?+' 0>?0 9+9# 40;+ ;@0@?' 08' 47*B>989=' C0897 ;*F9=# +98B ;* # D0 ;+9=' 9;=' +0' 9;=# 40;+ ;@0@?' 08' 47*B>989=# ?9C*8*+ ;:' B089' 08' 9?? 9*? A

'

*60**7/,7'	-10/+, 4-'	2/4 7'	4* 7+2'	0*,5, ,4 :
06/7526,4 : '	./7+/726/,5.4,*'	2/0 : ,4 : '	2/ : ,-5,4 : '	0 : 76,4 :
-7/,7'	2*, ,7'	,3,4,		

'6.0' +0*4-' 8$'88/"#/5 8.,5.'80'1 750'76'6.0' .073'2'6.0' "$%"(&.3"'2'5'6.0' / 56,.576,2*',-'-57/50 =' 9*28*' 6',-'17/7-,6,5'2*' _ 0/*-'7*35' 8223='?0+067; 0-J6.0';/7*5.0-'7*3';/7*5. 06-'8.,5.'52 : 12-0',6'7/0' ?0/='*4 : 0/24-'7*3' 2/ : 03'2'2,*6-'4*,603'0*3'62'0*3'?0/='4*0>47'7*3'52.0/,*+'-6/2*+ ='' 6.0'-105,0-' 7/0'; 759'7*3'-1/073'2?0/' 07?0-';/7*5.0-'7*3'0?0*' 6/4*9-' .0='7;-2 460 ='-4 25760'6.0'1 7*6-'8.,5.' 6.0='766759';='2;-6/456,*+'/0-1,/76,2*'7-',-'-00*',*' ,*0-' ,-6,'7/;2/0-50*6' 076.-'$,?0- 5' 9 /73' 71107/-'2*' .0/;75024-'7*3'8223='1 7*6-'7*3'2*'6.0',*2/+7*,5'2; 056-'8.,5.'6.0='2?0/-.732p' 6',-'6.,-' 8.,5.' :,G03'8,6.'34-6';0+/,:0-'6.0'-67640-',*' 14;,5'87 9-'8,6.'7' 2/6'2'5276'8.,5.'/0-0:;0-'7' 7=0/' 2'-226' 6-',7:0*6-'7/0'?0/='*0'7*3';/7*5.03'2/:03'2'4*0>47'2,*6-'8,6.246' /456,,576,2*'7*3'57*' ;0'57//,03'2';='6.0'8,*3'2/';='/4;;,*+' *'6.,-'-6760',6'52*-6,6460-'6.0' 9 /73'(/7/8$$8.,5.'52 : 1/,-0-' -0?0/7'-105,0-'2' 4*+,'7-' !/)3& 3"#9 ' 9 /735'7*3'?7/,24-'-105,0-'2' 3!7,%2 $38'7*3' "#.3A3"#9 ' 3!-2%'&$ ';0 2*+-'62'6.0'6/,;0'2'6.0' *326.057' %'2/&. "'W&'6.76'2'6.0' 0:2* 6/00'D ' #$"#'52 : :,6-' +/076'/7?7+0-'2*'6.0' 9"/8$#/2'2'' 4 6,?7603',*' 67 =' 1,4*' 2/64+7'6.0' M2/0-'"5' 9 /73',-'*26' 17/7-,6,5',90' 8$'88/"#/'J,6'?0+06760-'2*'6.0'.2*0= ,90'0G5/06,2*-'2'6.0' .%#&5'6.0'0G5/067'2' 25.,*07' 7*3'26.0/',*-056-' 6',-'6.0/0 2/0'412*'6.0-0'6.76'80':4-6' :790' O7/'62' 1/0-0/?0' 24/' 6/00-' /2:'6.0' ;759'8.,5.'-2,-'6.0,/' 07?0-' '8#2#$$#?# '7!/9'9 '#&'6.0' :2-6'5 : :2*' 24 3J',6',-' 24*3'2*'7' 7*,:7'2/'?0+067;0'-4;-67*50-'8.0*'6.0=';0+,*'62'3057='2* =*003,*+':2,-64/0'62',*3450',6-'30?0 21 :0*6' 3"' 8$ '7!/9'9 '71107/-'1/,*5,17 ='412*' /4,6'8.,5.',-'-12,,*+'7*3'2*'6.76'8.,5.'.7-';00*' 1/0-0/?03' 6'3, 0/-'/2:' '8#'#! <"#,*',6-'=0 28'103,50 '2/:03';='6.0'4*,2*'2'-0?0/7' -7*7'+/28-' 2*'3052 : 12-,*+'8223'7.3'1/,*5,17 ='2*' 3073',*-056-'0*62 : 2 2+,57'52 056,2*-'*26';0,*+'7 87=-' /00' /2:',6' ' 4 7-*0'52*-,30/',6'7-'6.0'52*,3,7'-6760'2'-0?0/7' .%/ 2'' #)#9 # 92F'"#D6.0' ,*0' 3,-07-0F'71107/03',*' &%'',*' *+,-.'?,*0/,0-';46',6',-'324;6 0-'6.0'-7:0'7-'6.76'/052/303',*'6.0'-,G600*6.' 50*64/=';=' ,M74 3'7*3',6'.7-'2*+';00*'2;-0/?03',*' :0/,57',*',6-'10/ 056'-6760'2'7*' "-8.%'' .0':,-5.,0'8.,5.',6'.7-'574-03',*' 4/210',-',*57 54 7;0']:2*+-6'6.0'?7/,24-':07*-'8.,5.'.7?0' ;00*'-4++0-603' 2/'30-6/2=,*+',6'80'*003'2*=':0*6,2*'-4 1.4/' 26'7*3'37:1'-07-2*-'7/0'17/6,54 7/=' 7?24/7;0'62',6' .0' 07-6'2';00/'G 3"9!/'2'>'(#&#2''',-'7'1/23456,2*'2'8.,5.'6.0'*764/0',-'-6,'7/',2:' ;0,*+'3060/:,*03' 6',-'50/67,*'6.76',6',-'6.0'574-0'7*3'0 056'2' 0/:0*676,2*'7*3'6.76'6.0'+2;4 0-' 52:12-,*+',6'7/0'2,*603'0*3'62'0*3'7*3'7/0':2-6='/00'2/'-017/760'7*3'6.76'6.0,/':4 6,1,576,2*',-'340' 62'50 3,?,-,2*' /' 0/90 0='6.,*9-'6.76',6',-'7':23,,576,2*'2' #2#!!#9 '7!/9'9 5'340'62'6.0':03,4:' ,*'8.,5.',6',-'30?0 2103'-,*50'6.,-' 4*+4-',-'24*3'62'-1/,*+' /2:'6.0-0'+2;4 0-'8.0*'6.0='7/0'0G12-03' 62'6.0'7,/' 552/3,*+'62' ' 7 ,0/'6.0' 07-6'2';00/'8 24 3';0'6.0'52*,3,7'-6760'2' '.$3:%"#?5 8.,5.' 7//,?0-'76'6.0'10/ 056'-6760',*'6.0';00/'7 60/' 0/:0*676,2*' '6.,-'/0JJ4,/0' /0-.'/0-07/5.0-

4*+,'.7?0'*07/='6.0'-7:0'+02+/71.,57'3,-6/,;46,2*'7-' ,5.0*-J 6.0='7/0' :06'8,6.',*'6.0'6/21,5-' 7*3',*'6.0'52 30-6'/0+,2*-'2';26.'.0:,-1.0/0-'76'6.0'621'2'6.0'.,+J.0-6' :24*67,*-';0 2*3' .-0*2' ℃+7:,5'?0+0676,2*' ' 7/6,*-'+76.0/03'2*'6.0'621'2'6.0' 74 .2/*'76'6.0'.0,+.6'2'Y $$$'006' 682'=5210/32*-'7' 'J#J/5'7*3'-0?0/7' +7/,5-' *' !7?7'6.0='25541='7'M2*0'52:1/,-03';0688 00*'E $$$' 7*3' & E$$' 006'7*'0 0?76,2*' 7;246'0>47'7-'!4*+.4;*' .7-'/0:7/903'62'6.76'8 0'.7?0',*3,57603'2*' 6.0' 1-P' .0,/*2/6.0/*' ,:,6'71107/-'62';0' 0?,0'-7*3''%d%'℃*2/6.' 76,6430' /83&/'8#(/!#& -1/073-',6-':4524-',7:0*6-'2?0/'6.0'-4/750'2'6.0'-*28'7*3'-0?0/7'2'24/' 4/2107*'-105,0-'.7?0';00*' 24*3',*'6.0'-246.0/*'.0:,-1.0/0';0=2*3'E$d-246.'76,6430',*' 459 7*3'7*3' 7:1;0'-7*3-' 4/' 2:2*' +7/,5'6.0' :7324' 2 064-'7*3' &23.% >/' +93')35 0G,-6',*' 7' 524*6/,0-'2'6.0' 82/3' 0/67,*' +0*0/7'132/',*' -105,0-'.7?0' 8,30='3,-10/-03' /01/0-0*676,?0-@ 6.4-'+38$/78#$'&' /+/ 5 /2:

X 0?0/7'-105,0-'2554/'41'62' & $$$' 006',*'6.0' ,:7 7=7 B

(' k T

6.0' -.2/0-' 2 ' 6.0' /6,-5. ',*' < m' *2/6.' 76,6430 '-57/50 =' 3, 0/-' /2 :' + ' /8)3!%#5' 8 .,5.' ,* .7;,6-' 6.0' 34*0-' *07/' 2*610 ,0/'J + #$"' -2'&' hUR0-50U-' 2 ' 7/2 ,*7' ,-' /01/0-0*603' ,*' 7-: 7*,7' ;=' h ':###29&>5' -2!3 -2'&'@ '$#&5' /2 :' 6.0' - 0' 2 ' /7*50' .7-',6-' 7*7 2+40' ,*' 6.0' *,603' 6760-',*' ' "' ##J ,*7 =' 6.0' +0*4-' ''3$#9 5' 8 .,5.' .73' 1/0?,24- =' 2* =' ;00*' 24*3' 76' 6.0' 710' 7*3',*' 08' h07 7*3' .7-' ;00*' 2;-0/?03',*' +0/,7 ' 6.0' 9/7,*0 ' 7*3' 0?0*',*' /7*50' .0-0' 0G7 : 1 0-' :,+.6';0',*30 ,*,60 =' : 4 6,1 ,03 4*+,' 7/0' -2 : 06,: 0-' : 06' 8,6.' 4*30/' ?0/=' -,*+4 7/' 52*3,6,2*-'@ 6.4-' 6.0' 52 : : 2*' 2%#J3.%-$!9 ' .7-' ;00*' 24*3' +/28,*+' 2*' 6.0' /0 : 7,*-' 2 ' 7' 8 .7 0#-' 78' 7;7*32*03' 2*' 6.0' -07 - .2/0' J 374 : 4/' -78',*' 2,624' ,?0' 2/' -,G' -105,: 0*-' 2 ' !/$%"9&2/82'!!/$9&5 8 .,5.' .73' +/28*' ;06800*' 6.0' -62*0-' 2 ' 7' 8 7 J 230' 24*3' -" #9 ' '$/!!3 ',*' 6.0' ;7//0' 2 ' 7' 1,-62 J 3!- .38#&' $'""'&$"#&5 7/"#'8&' .#7 $&5 7*3' %/ 83 -2'& ! #&&38## .7?0' ;00*' +76.0/03' 412*' /259-J 7*3' 80' .7?0' 24/-0 ?0-' 24*3' 76' 2*6 : 2/0*5=' -237/!/' ./"#'$#8 8' 2*' 7' 7/+0' :, -62*0' 8 .,5.' .73' ;00*' 6090*' 246' 2 '6.0' 07/6.' *26' : 2/0' 6.7*' 7' 8009

0/67,*' 4*+,' ,90' 2--0-' 2 '6.0' +0*4-' .!/2%89 5' .7?0' 2/' 6.0,/' 52*-67*6' .7;,676' 6.0' 0G5/0 : 0*6' 2 ' .0/;,?2/24-' 7*,: 7 -J : 2-6' 2 '6.0' &23%3!# ?0+0676' 412*' 528 34*+J + 923'" 9"#9 5' 2/8##$ 5' "5 ' 2*' 6.0' 34*+' 2 '/76-' 32+-' " 5 J 6.0' *7 : 0-' 2 ' 3" 3&.3"/' &$'"'3"#&' 7*3' (")/"#/' 23. .%#!/',*3,5760' 6.0' 1 750-' 4-47 =' 7 05603' ;=' #!3,3!9&

' ?0/=' 08' 4*+,' ,?0' ,*' 8 760/@ 80' .7?0' : 0*6,2*03' + #$ 8)/' ./%#)3&8' *' 26.0/' +/241-' 7-' /0-.H 8 760/' -105,0-' : 7=' ;0' >42603' 'J#J/' "#(9!/"#&' 7*3' !/#4 54 '!3$#9 ' $%/783"9 5' "5' .%''"#/' 3&#)38#/' 7*3' 3"/!!#8/"9 ' ,?0' 17/7-,6,57 =' 76' 6.0' ;2662 :' 2 ' 6.0' -07' 2*' 6.0' 07?0-' 2 ' [3&$'"/222 ' 7*3' 2*' 6.0' 57 57/024-' /2*3-' 2 ' 3"/!!#88' 3::#2#8/!#&

.0' +/286.' 2 ' 50/67,*' 4*+,' ,-' 1/2?0/;,7 =' /71,3' .,-' : 7=' ;0' /073,=' 52*50,?03' 8 .0*' ,6',-' 52*-,30/03' 6.76' 6.0=' 7/0' 30?0 2103' /2 :' 7*' ,*?,-,; 0' 4*30/+/24*3' : =50 ,4 : ' 7*3' 6.76' 6.0=' 2* =' 787,6' 7?24/7; 0' 52*3,6,2*-' 2/' 71107/,*+' 7*3' 0G17*3,*+' .0' +92')#8'/5 2/' 24 3-' 71107/',*' 7' 08' .24/-' 7*3' 3,-71107/' 7-' /71,3 =' O .0*' 6.0' 2/+7*-' 2 ' /456, ,576,2*' 7/0' 0*5 2-03',*' 7' ?2 ?7' 6.0=' -00 :' /76.0/' 622' 3, 760' 6.7*' 62' +/28' ;=' 6.0' 1/23456,2*' 2 ' /0-.' 6,--40J 6.0' 103,50' 0*+6.0*-' 7*3' -80 -' 4-6' 7-' 50/67,*' ;23,0-',*5,007-0',*' ?2 4 : 0' ;=',: ;,;,.*+' 8760/' .0'+/286.' 2 '-2 : 0'-4;0/2-0' 3!'$#,-'?0/=' - 28' 7*3' -2 : 0H 6,: 0-' 25541,0-' -0?0/7' =07/-' 0/67,*' 4*+,' 7/0' 2* =' 9*28*' 62' 4-' ;=' 6.0,/' -5 0/26,2,3' : =50 ,4 : ' 8.,5.' 7667,*-' 7' 52*-,30/7; 0' -,M0' 7*3' -0/?0-' 7-' 223' 62' 6.0',*.7;,67*6-' 2 ' 08' h07 7*3' 7*3' .,*7' .0-0' 8.,60' : 7--0-' 2?0/03' 8,6.' 7';/28*' 2/' ; 759,-.';7/9' 8.,5.' 7/0' 2 60*' 7-' 7/+0' 7-' 6.0' .073' .7?0' ;00*' 30-5/,;03' 4*30/' 6.0' *76 0-' 2 ' + -!#$$/5' /2%- /5' "5' *0' 2 '6.0 : ' '.#8'$3"9 5',-' 24*3',*' .,*7' 2*' ,*0 /226-' "3 #'3 /' /!=9$#2/5 8.,5.'-2' : 45.' /0-0 : ; 0-' 2!'"3$#9 ' 9&23"9 5',-' 4-03' 7-' 223' ;=' 6.0',*.7;,67*6-' 2 ' 6.0' 046,7*' - 0-

.0'- : 0 '2 ' 4*+,',-'*26'+0*0,J7 =' -6/2*+' 7*3' : ,+.6' ;0'$'" ')5:98739&' 8.0*',6',-' :, 3' 7*3' 1 07-7*6' ,90' 6.76' 2 '6.0' 24--0/2*' D 7/"#29&'/!%'!! 5' "5' .0'- : 0 ' 2 '6.0' /4 0',-' -2 : 08.76' 1054 ,7/' ;0,*+' 2;-0/?03' 0 -08.0/0' 2* =',*' 7'+0*4-'* ' 73/012/0-' B &$"3#$/ 5' 8 .,5.',-'.0*50' 57 03' /4 0 -62*0' 6.0/-' .7?0' 6.0'- : 0 '2 '7' +276' ' 2 3' 5.00-0' " ' *' %/!!9&' 7*3' !/$%"9&' 6.0' 5737?0/24-' 2324/',-' -2' -6/2*+' 6.76' 6.0-0' 4*+,' 7/0' - : 0 6' 76' 7'+/076' 3,-67*50' 7*3' 6.0=' 7/0' 0760*' ;=',*-056-' 7-',' 6.0=' 80/0' /07 =' 3073' ;23,0-J ;46' .0,!0' 6.0' 2324/',-' 257 ,M03' 7*3' 52*,*03' 62' 3052 : 12-03' /456, 0/24-' 17/6-' 0/67,*' -105,0-' .7?0' 7' -8006' - : 0 ' 8.0*' /0-.' J 7-' 3!-.3"9&' &9/('3!'8&A' -24+.6' ;=' 6.0' 711-J "')3' &9/('3!'8&5 F2' 6.0/-' 2*' 6.0' 52*6/7/=' ,90' 7/"#29&' 2/ .%3"/$9&5 -)89 ' 7"/('3!'8&5 "5' 7 :' 2* =' -50*603' 8.0*' 3/=' .0' 24 3-' .7?0' 7' 1054 ,7/' 7*3' ?0/=' 5.7/7560/,-6,5' - : 0

.0'67-60' 2 ' 4*+,',-' 4-47 =' : ,3' 7*3' *26'?0/=' 1 07-7*6' 2 : 0' 7/0' -2' 0G6/0 : 0 #75/,3' 6.76',6' 824 3' ;0' 37*+0/24-' 62' /067,*' : 45.' 2 ' 6.0*P' ,*' 6.0' : 246.E .280?0/' 6.,-' 75/,3,6=' 3,-71107/-' 8.0*' 6.0=' 7/0' 1/210/=' 22903' 7*=' 105,0-' 7-' /4 0-' 2/0 -' 7*3' 50/67,*' +7/,5-' 7/0' 03,; 0' 7*3' : 45.' -24+.6' 7 60/' 9 7*=' 26.0/-' 8.,5.' -6/2*+=' /0-0 : ; 0' 6.0' 1/0503,*+' 7*3' 8.,5.' *07/=' 7 ' ;0 2*+' 62' 6.0' +0*0/7' 7/"#29&' 7*3' /8#$/5 7/0' 12,-2*24-' 28' 57*' 6.0' 03,; 0' ;0' 3,-6,*+4,-.03' /2 :' 6.0' 12,-2*24-'C .0' 7*-80/',-' ?0/=' 3, ,54 6' 0-105,7 =',' 80' 52 : 17/0' 6.0' 52*6/73,562/=' -6760 : 0*6-' 8.,5.' 305 7/0' 6.0' -7 : 0' C -105,0-' 62' ;0',**25424-' 7*3' .4/6 4 ' .0' 4-47' 73?,50',-' 62' /0 056' 6.2-0 4*+,' 2 ' 8.,5.' 6.0' -: 0 ' 7*3' 67-60' 7/0' 3,-7+/007; 0' 7*3' 6.0' 0-.' -2 6' 7*3' 8 760/=J 6.2-0' 8.,5.' +/28',*' -.73=' 7*3' 37 : 1' 1 750-' 8.,5.' >4,59 =' -12,' /71,3 =' 5.7*+0' 52 24/' O .0*' 6.0,/' 6,--40-' 7/0' 62/*J 6.2-0' 8.,5.' 6,*+0' -,?0/' ;/28*' 2/' 8.,5.' ; 7590*' 2*,2*-' 46' 6.0-0' ?7/,24-',*3,576,2*-' 7/0' *26' 50/67,*@' 6.0' -4/0-6' 87=',-' 62' 7*7 =#M0' 6.0' ;267*,57' 5.7/7560/' 2 '6.0' 4*+4-' 2/' 62' ;0' +4,303' ;=' 6.0' 1214 7/' 6/73,6,2*-' 2 '6.0' 524*6/=' *' 7 ' 57-0-' -4-1,5,24-' 4*+,' -.24 3' ;0' ;2,03' 7 60/' ;0,*+' 546' 41' 7*3' 6.0' 8760/',*' 8.,5.' 6.0=' .7?0' ;00*' 522903' -.24 3' ;0' 6./28*' 787=' 6',-'-6, ' ;0660/' 62' -,50' 7*3' : 750/760' 6.0 :',*' ?,*0+7/' 7*3' 8760/' 8.,5.'-.24 3' ;0' 6./28*' 787=' 2/',6',-' *28' 7?0//03' 6.76' ?,*0+7/' *046/7,M0-' 6.0' 12,-2*24-' 1/,*5,1 0' 2 ' 4*+,J ;46' 7 60/' 6.,-' 1/017/76,2*' 6.0=' 7/0' *0?0/' 1 07-7*6' 67-603' X

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.0,/' 52 24/' ,-C : 2-6' ?7/,7 ; 0' 7*3' 2 60*' 3010*3-' 2*' 6 .0' 7+0' 7*3' 30+/00' 2 ' : 2,-666/2' 2 ' 6 .0# -105,0- ' *' +0*0/7 ' ,6' ,-' *26' ; /, ,7*6@ , ' 80' ,*3' =0 28 ' /03 ' ; 40 ' ?,2 06 ' 8 .,60 ' 7*3' ; 759' 4*+,' 6 .0' 6,*6-' 7/0' 4-47 =' -4 ; 3403 ' 7*3' 6 .0' +/00*' 2*0' D 'J#J/' 2 "97#83 3' 57**26' ;0' 52 : 17/03' 7-' 62' 6,*6' 8 ,6 .' 6 .0' +/00*' 2 ' 5 . 2/21 .= ' .0' 1054 ,7/' 6,--40-' 2 ' 4*+,' 1/0-0*6' 6 .0' -7 : 0' ?7/,06=' 2 ' - .730-J' 7 6 .24+ .' O .,60' ,-' 6 .0' 5 .,0 ' 52 24/' 2 ' +7/,5-' 7*3' /4--06' 6 .76' 2 ' 3!'$#5 =06' -2 : 0' 5 .7*+0' >4,59 =' 62' ,*3,+2' 6 .0' : 2 : 0*6' 6 .0=' 7/0' ; /290*' 7*3' 6 .0,/' 6,--40' 0G12-03' 62' 6 .0' 7,/ ' 0/67,*' 4*+,' 7/0' 1 .2-1 .2/0-50*6J -0?0/7 ' 0G26,5' +7/,5- ' 7*3' 6 .2-0' 2 ' 6 .0' ,?0' D ' 3F/"#9& 5' 2 ' 6 .0' -246 .' 2 ' 4/210 ' 1/0-0*6' 6 .,-' -,*+4 7/' 1 .0*2 : 0*2*

'1 4*+03' ,*' 8760/ ' 7*3' 0G12-03' 62' 6 .0' 756,2*' 2 ' ,+ .6 ' 4*+,' +,?0' 2 ' .=3/2+0* ' 7M260 ' 7*3' 57/ ; 2*,5' 75,3J *0?0/6 .0 0--' 7552/3,*+' 62' -2 : 0' 0G10/, : 0*67 ,-6-' "' '!!/' ;0 .7?0' 3, 0/0*6 =' 7*3' +,?0' 2 ' 2G=+0*' 8 .0*' 6 .0=' 7/0' 1 7503' ,*' 6 .0' -7 : 0' 52*3,6,2*-' 7-' .-0*2+7 : -' 1/2?,303' 8 ,6 .' +/00*' *,7660/

' 4*+4-' , ' ; /290*' 2/' 546' ,*' 2*0' 2 ' ,6-' 17/6-' 52*6,*40-' 62' ,?0J ; 46' 6 .0' 824*3' 320-' *26' .07 ' 7*3' 6 .0' 0G12-03' -4/ 750-' 8 ,6 .0/' 2/' 3/=

/210/ =' -1079,*+' 2* =' 2*0' -105,0-' 2 ' 4*+4-' ,-' 54 6,?7603J' ; 46' ' A7 ' '"#$/' ,-' -2 : 06, : 0-' 1/234503' ; =' ; 4/=,*+' /24*3' - 7 ; -' 2 ' 21 7/' 7*3' 5' /!, '!!9&' ; =' : 2?,*+' 07/6 .' /2 : '#2*0' 1 750' 62' 7*26 .0/' .0' =24*+' /4 0 279-' 32' *26' +,?0' /,-0' 62' /4 0-J' ; 46' ,6' 2 60*' .7110*-' 6 .76' 6 .0' 1/0-0*50' 2 '= : : +' 1 7*6-' ,*' -4,67 ; 0' -2, ' 60*3-' 62' 6 .0' 1/23456,2*' 2 '6 .0-0' ?7 47 ; 0' 64 ; 0/-

.0' 5 .0 : ,57 ' 52 : 12-,6,2*' 2 ' 4*+,' ,-' -2 : 08 .76' 52 : 1 ,57603' @ 6 .0=' 2*67,*' ,*' 733,6,2*' 62' 8760/ ' 8 .,5 .' -2 : 06, : 0-' 2/ : -' *,*0 60*6 .-' 2 ' 6 .0,/' -4 ; -67*50' 2)%)3&'5' 7--25,7603' 8 ,6 .' 26 .0/' 1054 ,7/' 0 0 : 0*6-' 8 .,5 .' 62+06 .0/' 52*-6,6460' 8 .76' 5 .0 : ,-6-' .7?0' 60/ : 03' :987#8 '' J +0*0/7 ' 1/,*5,1 0-' 7-' /7/"#2#8'5' (#&23&$8'5' -2'$#) '5' 7' 50/67,*' >47*6,6=' 2 ' /!%88#8'5' 7-' 8 0 ' 7-' 7*' 7M26,M03' 766=' : 7660/J' -2 : 0' 52 24/,*+' /0-,*24-' 2/' .=3/2+0*,M03' 1/,*5,1 0-J ,G03' 2/' ?2 76, 0' 2 , -J 7*' 7 : = 2,3' -4 ; -67*50'64/*,*+' ; 40' 8 ,6 .' ,23,*0J : '" '8$&' /%%' &97/'>5' /88#$'>5' 7!923&'5' : 2/0' 7 ; 4*37*6' ,*' 2 3' 4*+,' 6 .7*' ,*' =24*+' 2*0-' D1/2 ; 7 ; =' 6 .0' /0-4 6' 2 ' 6 .0' 6/7*- 2/ : 76,2*' 2 ' 26 .0/' .=3/2 57/ ; 2*-F' J 1/21= 2 * : 0' ,-' 7 -2' 0G6/75603' /2 : ' 6 .0 : ' 8 .,5 .' +,?0-' 6 .0' - : 0 ' 2 '/2660*' ,-' .' 62' 4*6' 7*3' 6 .0' /+26' 2 ' =0J ,*7 =' / /8 #8'5' 7' 1/,*5,1 0' 2 ' 8 .,5 .' 6 .0' 12,-2*24-' 756,2*' ,-' 2* =' 622' 50/67,*' ; 46' 6 .0' 762 : ,5' 52 : 12-,6,2*' 2 ' 8 .,5 .' ,-' *26' =06' 9*28*' 0-,30-' 6 .0-0' -4 ; -67*50-' 4*+,' 52*67,*' 1 .2-1 .760-' : 7 760-' 2G7 760-' 7*3' 5,6/760-' 2 ' , : 0' : 7+*0-,7' 7*3' 7 4 : ,*7' 7*3' 0?0*' /00' 2G7 ,5' 75,3' 7*3' 5 . 2/,30' 2 ' 1267--,4 : ' .0' -12/0-' 2 ' 4*+,' 7/0' -2' : ,*460' -7=-' /,0-' 6 .76' 7' -,*+ 0' '$#29!/"#/' 12--0--0-' : , ,2*-J' -2' -4 ; 6 0' 7-062' ;0' ,*3,?,347 =' , : 10/5016, ; 0' -2' ,+ .6' 6 .76' 6 .0=' 7/0' 57//,03' ; =' 6 .0' 76/32-1 .0/,5' ?7124/-' 7*3' -2' *4 : 0/24-' 6 .76' ,6' ,-' 3, ,54 6' 62' , : 7+,*0' 7' -1750' 6 2' - : 7 ' 62' 52*67,*' 6 .0 : ' 7-' ,-' - .28*' ; =' 6 .0' 07/*03' 7*3' ,*+0*,24-' 0G10/, : 0*6-' 2 ' ' 7-604/ ' 7*3' 6 .0' 3, ,54 6=' 2 '+47/3,*+' 7+7,*-6' 6 .0' ,*6/23456,2*' 2 ' '8#)!!#<#$#7!/929 ' ,*' 7' : 4 6,6430' 2 ' 0G10/, : 0*6-' 412*' 6 .0' -12*67*024-' +0*0H /76,2*' 2 ' 4*+,' 0/ : 0*676,2*' 7*3' 6 .0' : =-60/,24-' 17/6' 8 .,5 .' ,6' 1 7=-' ,*' 6 .0' 3052 : 12-,6,2*' 2 ' 2/+7*,5' : 7660/' ,-' 5 2-0 =' 52**05603' 8 ,6 .' 6 .0' 0G,-60*50' 2 ' 6 .0' 1 7*6-' ;0 2*+,*+' 62' 6 .0' +0*0/7' "-.$32322 5' 3">' [$8#&2#9 5' "5 ' 8 .,5 .' 52*-,-6' 2 ' /00' 2 ; 2*+' 2/' 2?2,3' : ,5/2-521,5' 50 -

4*+,' 7/0' 2 '-57/50 =' 7*=' 4-0' ,*' 6 .0' 7/6-' 8 ,6 .' 6 .0' 0G5016,2*' 2 ' 0 : 03277*3' -2 : 0' 52 24/,*+' 1/,*5,1 0-' 7 : 2*+' 8 .,5 .' 80' -.7 '2*=' >4260' 6 .76' 2 ' 13$%#) ' /' $#82$3"#/5' 8 .,5 .' ,?0-' 2*' 6 .0' 07?0-' 2 ' 7' /2 '%/"#&' 2 ' 08' /7*737 ' 7*3' =,0 3-' 7' ?0/=' -2 ,3' +/00*' 3=0 ' *' : 03,5,*0' *2*0' 7/0' *28' 4-03' ; 46' 6 .0' /+26' 2 ' =0' 2/' O .076 62' 7//0-6' 50/67,*' .0 : 2// .7+0-' 7*3' 62' 7--,-6' ,*' 5 . , 3 ; ,/6 . ' .0' /+26' 2 ' /&.2)9 ' ' #/"'5' 8 .,5 .' .7-' *2' /0-0 : ; 7*50' ,*' 2/ : ' 2/' 52 24/' 62' 6 .76' 2 ' =0 ' ,-' -, : , 7/ =' 4-03' ,*' 2/6 .' : 0,,57 ' /' 24 ,*' -78 ' ,*' 08' /7*737 ' : 0-' 300/' 7*3' 17//26-' -0/,24- =' ,* 4/03 ' 7*3' 0?0*' 3,0' 7 60/' 076,*+' 0/+2603' 7,M0 ' 6 .0' 67-60' 2 ' 8 .,5 .' 87-' 3,-+4,-03' ; =' 6 .76' 2 ' 6 .0' .%/2'!#/5' 8 .,5 .' ,-' /76 .0/' -8006J' 6 .,-' /+26' ,-' 57 03' ,*' 6 .0' 524*6/=' .'!/)'"3' 2*' 75524*6' 2 ' ,6-' 574-,*+' 62' 7*, : 7 -' 6 .0' 2--' 2 ' .7,/' *7, -' 5 78-' 7*3' ;079 ' 6' ,-' 9*28*' 6 .76' 24/' 8 .,5 .' 52*67,*-' 7' 50/67,*' >47*6,6=' 2 ' /+26' ;052 : 0-' 0G6/0 : 0 =' 12,-2*24-' 7*3' 574-0-' ?0/=' -0/,24-' 3,-07-0-' 30-5/, ; 03' ; =' 32562/-' 7-' 3>73$#& ' 7*3')#>-' 2/'#'&2 ' 6 .0' 2, *6-' J 3,-07-0-' 8 .,5 .' ,*' 50/67,*' /7,*=' =07/-' .7?0' /7+03' ,*' 7*' 0*30 : ,5' 2/ : ' ,90' 5 .2 0/7' ,*' ?7/,24-' 1 750-' ! ' ' ,? ,*,

) ' 5' 9&&#'95' 7/")%5' / 39"39?5' *#!$J#875' "5

'!!9!/'" 23$-!')38&5' /M9/$#25' 3'" 7"3<#87' 38')/ .' 7"398)5' /!</-&' '?.3&')' $3' $%'' !#7%$E ('"-'(/"#39&' #8:3" 5' $'?$9"'" /8)'23!39"'" :"' '5' 3'":#?')' ,-'"33$&' 3'":9!2"/>5' 3 '$# '& #2"3&23.#25' 98#2'!!9!/">5' &3 '$# '&':9"8#&%')' <#$%' /'&# .!'" 3'" ,"/82%')' &$' 5' $'" #8/$')' ,-':"38)&5' /!</-&5')' ."(')' 3:' &$3 /$/' " ' / ' &3 '$# '& 3:'38" %#8)>' 38!-5' "'&9!$#87':"3 ' $%'" 2382'8$"/$#38' 3:' $%'" 7"'' '8' /$$'"5' /8)' , '23 #87'&.3"'&:9"8#&%')

<#$%(#,"/$#87%/#"&/8)7#:$')<#$%3$#38GJ33&.3"'&I"&3'$#'&3:/8$%'"#)#//8)&.3"/87#/5383'3#3<&3'")#3'2#39&5/8)3&$!-."3)92#873$#38!'&&&.3"'&5&3!#$/"-3'79/$'"8/"-#8$%'5&/'"&.3"/87#9'B.'"#&.3"'

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255,3,,4* 546 0*+6 .8,-0D : 7+?

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6,5, 3 .*52*67,*P
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52*67, * *+ 2 . 7/
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50/ :,3,4 : D : 7+F

-0?0/7 ' 64 ; 0- 52 : 12-,*+ 7 -, : 1 0 , 7 : 0*624- -60 : G 3!-&#.%38#/5 =2 5 2/ 2 ' : 0 : H ; /7*24- ,//0+4 7/]/285 0 G 3".%-"/ : 2/ 7117/0*6 ' 2 ,75024- D1'!'&&'"#/ ' 2/ 57/6, 7H +,*24- G "#) ' / 5 8 ,6 . ' 2/ 8 ,6 . 246 *0/?0- ' 0*6 . 0 ' / 766,503 D::'"8#$"' 3- F9"'$#/ 5 2/ 4 : ;0 760 D 38&$/8$#8#/ 5 2/ 2 : 0*675024- G /$'8'!!/ 5 2/ !4*+0/ : 7**2,3 D '('#!!'/5 3!-J38#/ 5 2 : 06, : 0- 0*5/4-603 8 ,6 . ' , : 0 7*3 /7+, 0 G 3"/!!#8/5 "5F ' & (')! ,? ' ' 2 '682 . ,*3- ' : 2*205,24- 2/ 3,205,24- ' .3"/87#/ -410/ ,5,7 ' 2/ -4*9 ,*' 6 . 0 /2*3 7*3 52*67,*03 ,*' 52* 01675 0- 2 ' ?7/,24- 2/ : - ' .3"'& /24*303 2/ 2; 2*+ ' -2 ,67/= 2/ >4760/*7/= ' 8$%'"#)#/ 2 '?7/,24- 2/ : ' 2/ : 79,*+ 7 17/6 2 '6 . 0 6,--40 2 '6 . 0 /2*3 ' 52 : 12-03 2 '52 24/ 0- ' 50 - '075 . ' 52*67,*,*+ ' 7*' 7*6 . 0/2M2,3 8,6 . ' *2 ?,;/76,*+ .7,/- 2/ 1280/ 2 ' : 26,2* ' . 0 7*6 . 0/2M2,3- 0/6, ,M0 6 . 0 -12/7*+,4 : ' ;= : 07*- 2 '7 -105,7 ' 64 ; 0 G$"#2%37-8'

2/1 ; =/7 ' 7*+,7 '	/42/,7 '	.7 : *,3,4 : ' 7 ,6 .7 : *,2* '	4 : 2*6,7 760*0 7	.2*3/4- ,+7/6,*7
	O /7*+0 ,7	/,6 6 . -,7		7 = : 0*,7
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76/75 . 2-10/ : 4 :	7557/,7	43/0-*7=7 '	7-6,+,7/,7	.= 21 ; 2/7
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	,5/25 73,7			.23230*4,-

6/2 0 -	/75, 7/,7	2 =,30-	.2*3/,7	
, 30*; /7*36,7	,621 ,= 4 :		=6,1.627	*,7,,-,7
.7 : 1,7	0 0--0/,7	.= 25 73,7		0?0, 07
.23= : 0*,7	.4/06,7		7-=7	2 =M/6*,7
2 : 0*67/,7	0 : ,6/0 : 7	.232 : 0 7	0 2;0-,7	
257 : ,4 :		2 =-,1.2*,7	!7*,7	2 =1;754,*
	2,,-67*6,*,7	2**0 : 7,-2*,7	2/7 ,*7	-: 4*37/,7
1.00/252254-	0 ,3,4 :	74/0*5,7	,6.267 : *,4 :	

.0' /01/23456,?0' 2/+7*-' 2 ' !3"#) ' ' .7?0' /050,?03' ?7/,24-' *7 : 0-' '"/ #)$/' 7/0' 2?7 ' 52*501675 0-' 1/0-0*6,*+' 7*' 710/64/0' D3&$#3F ' 76' 6.0' 621 ' 7*3' 52*67,*,*+' >4760/*7/=' -12/0-' D&.%'"3$$.3"2& ' *9!#)#/5' 2/.' !'&5' 7*3' 2-&$33/".&' 7/0' ;23,0-' 2 ' 6.0' -7 : 0' 2/ : ' 7-' 6.0' 1/0503,*+' ;46' 52*67,*,*+' 4*3,?,303' -12/0-' .0-0' 2/+7*-' 7*3' 6.0' 2 28,*+' 60/ : ,*760 ' 8.0*' =2,,*V' 7*3' 4* 0/6, ,M03 ' ,*' *' -2/6' 2 ' 2*+' .7,/' 2*' 8.,5.' 6.0' 7*6.0/2M2,3-' /0-6 ' 7*3' 8.,5.' ' 2/*06' 7*3' .4/06' .7?0' 60/ : 03' J 6.,-' .7,/' ,-' ,*60*303 62' 6/7*-: ,6' 6.0' 0/6, ,M,*+' 4,3 ' /('!!$&' 7/0' -1.0/,57 ' 52*501675 0-' 7G, 7/=' 2/' 60/ : ,*7 ' 8,6.' 7' -: 226.' 87 ' -2 : 06, : 0-' -4//24*303' ;=' 7' -2/6' 2 ',*?2 45/0' 2/ : 03' 2 '- : 7 ' ;/7*5. 06-' D '"/####9 5' "5 F' 322#)#/' 7/0' 52/,75024-' 52*501675 0-' 4-47 =' 210*' 76' 6.0' 621 ' 7*3' 52*67,*,*+' /01/23456,?0' 52/14-54 0-' G1' '&@#'"#/ 5 $-2%#)#/' 7/0' ,66 0' -1,90-' 52*67,*,*+' >4760/*7/=' -12/0-' /0+4.,/ =' 7//7*+03' .0' /2*3 -' 2 ' -2 : 0' !3"#) '/' -2 : 06, : 0-' ;07/' 2*' 6.0,/' -4/ 750' ,-2 7603' 50 -' 2/ : ,*+' 7' -2/6' 2 ' -12/7*+,4 : ' 52*67,*,*+' 24/' -12/0-' D1 '!'&&'"#/ ' J -2 : 06, : 0-' 075.' 2 ' 6.0' 50 -' 2 ' 6.0' : 0 : ;/7*24-' /2*3' +,?0-' ;,/6.' 62' -12/0-' D"3#.@$-"/

.0' 7*6.0/,3,7' 2 ' 2/ : ' 7' 6.,*' 7=0/' 6/7*-17/0*6' 76' 6.0' -4/ 750' 2 ' 6.0' /2*3 ' 2/' ,66 0' 7G, 7/= 64 6-' 0,6.0/' *7903' 2/' ,*?2 45/03' D "#::##%) /' &'$'2' / 5' 2/' 71107/' 7-' 7' -: 7 ' 3,-62/603' 17 0660' D %38)"#/ 5' 2/' 7-' 7' -: 7 ' 52*,57 ' : 7--' D ' 3)) ' *' 7 ' 57-0-' 6.0' 7*6.0/,3,7 ' 8.06.0/' 4*,603' ,*' ,66 0' /750/70 -' 2/' ,*' 7*' 7--0 : ; 7+0' 2 ' -: 7 ' 46/,5 0-' 52*67,*' 7*' 2; 2*+' 2/' + 2;2-0' 7*6.0/2M2,3 ' 8,6.' *0,6.0/' .7,/-' *2/' : 26,2*' *' 3".%-"/5' 6.0' 7*6.0/,3,7' 2/,+,*760' ,*' 6.0' 6/7*- 2/ : 76,2*' 2 ' 6.0' : 7/+,*7 ' 52 -' 2 ' 6.0' /2*3 ' 8.,5.' 3,?,30' ,*62' 7' 7/+0' *4 : ;0/' 2 '- : 7 ' 52 24/ 0--' 50 -' ;052 : ,*+' -2' : 7*=' 7*6.0/2M2,3-

! ' ' A A' 06' A' %9"'$ O 5' 1'8' O
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/"7/&&9 ' 8/$/8&_' /7*5.' ;07/,*+' 276,*+' ; 7330/-

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+,?0' ;,/6.'62'6.0'M22-12/0-

!' '%9 3S/5 2/6,2*' 2' /2*3'
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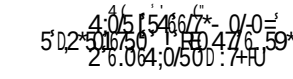
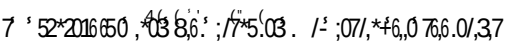
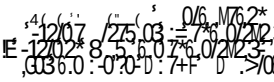
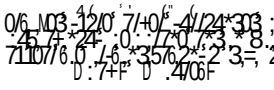
'&&38#/':9&2''&''8&' D ($6.' *764/7' -,MOF h22-12/0-' !(/' 9!!3&/ ;07/,*+' 24/' .7,/- / #8/"#/' &/22%/"#8/' D (k6.' *764/7' -,MOF









*8 ;9' !7W 5 >80 / ;' 08' 0 (-9# B@4 * : ;0@?# -98A' -*8 0@?' ;' 08B)' ?+9B 9??' 08' 4*@ 9?49 ;+# 80@ ; =9=' 08' 9 0 ; : *+9=# 08B9=' ;+0' *' 4@C' G # /8$%/!#/ 5 08' 408=' G %3")/ 5 08' C *+9' G / #8/"#/ 5 08' *;' G /)#8/ " 80;=' / + ' / / +70@+' ;98-9?# 9 ;+ 89' 08' -*8 E 0@? A' 4@+# ?0B9+ B9?' C 9849=' / +7' 70 9?' D 7/"9 5 08' +/ ?+9=' 2 ;+0' *' ?C 8* 'YG %/!/&> &#3 .%-!!9 5 08' @8; ?79=' / +7' 0*+ ; :' > *==98?' G /"7/&&9 5 + /2"32-&$#&5 U4 I#08' / +7' *' ?+@ *8' ?+9B' G 2+38#/' ,922#8/!#&5 '"'32-&$#&5 U4 I' " ! ' , ' ?@C98 4 *' ?C08*; : *' @; =98' +79' 08B' 0 ' ?08 " &23"'&5 ?0B9+ B9?' C80499= ; :' 80B' +79' '40;=9;?*+ 0;' 0 ' +79' 40 0@8 ; :' B*++98' 0 ' +79' 80;=?' G$"#2%3&.3"/87#/ 5 -98A' ?B* # @8; ?79=' / +7' - >8*+ ; :' 7* 8?' *;=' 9;=0 / 9=' / +7' +79' C0 / 98' 0 ' B0+ 0;# ?0B9+ B9?' 89?@ + ; :' 80B' *' +8@9' > ?95@*' 98+ <*+ 0;# *;=' +79;' B0;094 0@?' 08' = 094 0@?' " +79' `' G33&.3"/87#/' 9 +798' 95+98;*' 08' 40;49C+*4@ *8# 40;+* ; ; :' H# # # ' *8:9' 0-0 =' 08' : 0>0?9' B0+ 0; 9??' ?C089?D' /8$%'"#)#/" .'//#!' 08' ;' >8*;479?# 0> 0; :' 08' ; 9*8'

$ $%'"3'3#)& 38$/# 87 *' 89=' : 0>@ 9' 7*- ; :' +79' C0 / 98' 0 ' B0+ 0;# *;=' @8; ?79=' / +7' ' - >8*+ ; :' 7* 8?# +79' 0;9' *;+98 08# +79' 0+798' C0?+98 08

' ' - 1 1 ' 9C8O=@4+ -9' 08:*;?' ?@C98 4 *' D&3"#I " ?CO89?' @?@* A' B0> 9# :98B ;*+ ; :' / +70@+' *CC*89;+' C89- 0@?' 98+ <*+ 0;

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4*567/,7 ,62-,1.2*	,/743,7	7-67+*07' ,0; :7**,7	7/12 : ,6/7	.7 7 --,21.= 4 :
0-:7/0-6,7	1.750 7/,7 732-601.,4- /6./25 73,7	0-1+2,7 !.2/37/,7 .2/37	7 : ,*7/,7 7 ,+0*,7 0--2*,7	,56=267 72*,7' 73,*7
1,06='2-,1.2* + 72M2*,7	=/,2*0:7 75.,-67	-10/252554- 7 -,7	0/022=-6,- 75/25=-6,- 59 2*,7	,,06=2160/,-

' ') 1 9C8O=@4+ -9' 08:*;?' #' *;=' Q' 40;+* ;9=' ;' 40;49C' +*4 9?# *;+7980<0 =?' @8; ?79=' / +7' 7* 8?# ?CO89?' B0+ 0; 9??

4547 0 ?06,7 /?, 07	=-621.2/7 7*3-;4/+,7 =62-0,/7	7 ,3/=- 7/+7--:* =/,230-:7	,:7*6.7,7 1 75;*,3,4 : 2 -?, 07

' 6;0' ,/-6' -056,2' 2 ' %2 3&.3#>'2" 6.0' -12/7*+,7' 7/0' -410/ ,5,7 =' 7*3' ,//0+4 7/ =' 3,-6/,;4603' 2?0/' 6.0' -4/ 750' 2 ' 6.0' /2*3' ,90' -2/, ' /2:' 6.0-0' -12/7*+,7' 0-5710' 2?2,3' M22 2/0-' 60/:,*7603' ;=' .7,/-' 7*3' :2?,*+' 756,?0 = '8..,5.' +0/:,*760',: :03,760 =' 6.0=' ;052:0' ,G03' *' 6.0' -052*3' -056,2*' 2 ' %/3&.<'/' D 92/2'/5 1/210/ =' 57 03'2/' O /759F' 6.0' /456, ,576,2*' 4-47 =' 52//0-12*3-' 62' 64;0/5 0-' 3,-10/-03' 2?0/' 6.0' /2*3' 2/' 4*,603' 2*' -105,7' 2/+7*-' 60/:,*7 ' 2/' 7//7*+03',*' 7G, 7/=' /750:0-' 75.' 64;0/5 0' 7*-80/-' 62' 7' /456, 0/24-' 57?,6=' 2/' 2 2'.$/2!'',*' 6.0' 6.,59*0--' 2 ' 6.0' /2*3E 6.,-' 57?,6=' 52*67,*-' 7' +0 76,*24-' :7660/' 7*3' ;07/-' 2*',6-',**0/' 8 7 ' 8.0*'=24*+' 7' -2/6' 2 ' .7,/-' 2/' 6/7*-17/0*6' ,,2/:' 50 -' 6' 6.0' 10/,23' 2 ' /01/23456,2*' -45.' 2 '6.0-0' .7,/-' D&.3"/87#/5.'"#&.3"'&]' 7-' 7/0' 62' /456, =' -80 ' 7*3' ;052:0' , 03' 8,6.' ;/28*,-.' :7660/' .,-' ;052:0-' 2/+7*,M03' ,*62' /01/23456,?0' ;23,0-' 8..,5.' 0-5710' ;=' 7' -:7 ' 2/, ,50' ,*' 6.0' 50*6/0' 2 '6.0' 64;0/5 0' 7*3' -22*' 3,?,30' ,*62' T % &' -12/0-' 8..,5.' >4,59 =' +0/:,*760 ' .0/0' /0:7,*-' *26.,*+',*' 6.0' 57?,6=' ;46' 6.0' 62:' :26.0/ 50 -' D.'##&.3"'&' 2/' &.3"/87#/4 5' 7*3' 6.0' 26.0/' -60/, 0' 50 4 7/' .7,/-' 8..,5.' 0*+6.0*',*62' ,66 0' 64 6-' 7*3' 7 -2' ,--40' ,*' -4550--,2*' 6./24+.' 6.0' -7:0' 2/, ,50' 2:06,:0-' 6.0' /<$%'"#)#/' 0G,-6',*' 6.0' -7:0' 52*501675 0' 8,6.'6.0' &.3"/87#/5' 7*3' 6.0' 1 7*6',-' :2*205,24-J -2:06,:0-' 6.0' 7*6.0/,3,7' 7*3' -12/7*+,7' 7/0' ;2/*0' 412*' 3,-6,*56' ,*3,?,347 -' 8.0*' 6.0' 1 7*6',-' 3,205,24-' .0' 52*501675 5-' 52*67,*,*+' 6.0' 7*6.0/,3,7' 7/0' +0*0/7 =' /052+*,M7;0' ;=' 6.0,/' 2/7*+0' 52 24/' .0' 7*6.0/,3,7' 52*-,-6' 2 '2?2,3' 0-,5 0-' 52*67,*,*+' 7' 8..,6,-.' :7--' -1/,*9 03' 8,6.' /03' +/7*4 0-@' 6.0=' 7/0' ;2/*0' 412*' ;/7*5.03' 5.7:;0/03' .7,/-' O .0*' 6.0' 1 7*6',-' 0G12-03' 62' 6.0' 7,/' 6.0' 7*6.0/,3,7' 7/0' 0G10 03',*' 7' :7--' 6./24+.' 6.0' 2/, ,50' 2 ' 6.0' 52*501675 0' 7*3' 76' 6.0,/' 0G6/0:,6,0-' ,--40' *4:0/24-' 6/7*-17/0*6' 7+0*, 2/:' 7*6.0/2M2,3-' :2?,*+'/71,3 =J 075.' 4-47 =' 52*67,*-' 7' /03' +/7*4 0' 2/:,*+' 7' 32/-7' 1/264;0/7*50E 6.0' 252:26,?0' 2/+7*-' 52*-,-6' 2 '682' 4*0>47' ?0/=':2;,0' .7,/-' 6.0' -.2/60-6',*' /2*6' 6.0' 26.0/' 3/7++,*+' ;0.,*3' 6.0' ;23=' 2 '6.0' 7*6.0/2M2,3' *' 6.0' 52*501675 0-' 8.0/0' 6.0' -12/7*+,7' 7*3' 7*6.0/,3,7' 7/0' 4*,603' 6.0' 7660/' ,*0' 6;0' 4110/' .7 ' *07/' 6.0' 210*,*+' 7*3' 6.0' -12/7*+,7' 25541=' 6.0' ;2662:' 2 '6.0' 52*501675 0

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*8 ;9'08' 89?7 / *+98' : 8 9 9 ; #' ?0B9+ B9?'89=@49='+0'*'? ; : 9'B 480?40C 4'49 ' G -)"32-$#9 5 08' 40BC0?9='0 '? BC 9' 08'>8*;479='4*C *8A' *B9;+?' D 38:'"(/5 U4 W# 08' *88*; : 9=' ;' *' ;9+/08F' / +7' 708 <0;+*' B9?79?' D -)"3)#2$-385 "-.'$%/!!9& 5 08' ;+98 *49='*;='08 * ; :'?C0; :A'7* ?' D 3)#9 5 ?0B9+ B9?' = *+9='; +0' 49 @ *8' 0 *' 490@?'C *+9?' G !(/5)3$'/5 8/)-388'8' 5 ?0B9+ B9?' +@>@ *8' D 8$'"3 3".%/ 5 ?0B9E + B9?'@B>89 ! * ?7*C9='D 2'$/%9!/"#/ 5 08'89?9B> ; :'*' 0??#*' A40C0=# 08' +79' >8*;47' 0 '7' 0; 98' D /9!'". / ' " ' / ' 08B9='>A' +79' 40;49;+8*+ 0;'0 ' +79' :899;' B*++98' ;+0' B0+ 9' &.3"'&5 @8; ?79=' / +7' - >8*+ ; :' 7* 8?# 08' +79' 89?@ +' 0 ' 98+ <*+ 0;'>A' *;+7980<0 =?

' ' ! 5 @>9?' 08' 49 ?' 40;+* ; ; :' 0-0 =' ?C089?' @8; ?79=' / +7' ' - >8*+ ; :' 7* 8?

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' ' 3 #+ 1 *47' 49 ' C80=@4 ;:' ?9-98*' ?C089?' @8; ?79=' / +7' - >8*+ ; :' 7* 8?

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23,2 4 : '	.7/75,4 : '	=3/25=6,4 : '	5,73,4 :

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899;' !72A5 -98A'? BC 9' ;' ?+8@4+@89# 40BC0?9='0 '*' ?98 9?' 0 '? BC 9' 08'>8*;479=' 49 ?" ?C089?' 08B9=' >A' *' 40;49;+8*+ 0;' 0 ' +79' :899;' B*++98# *;=' 9?4*C ;:' >A' *' C94@ *8' = - ?0;'0 '+79' B0+798 49 #0-0 =# B0> 9# @8; ?79=' / +7' *' 480/;'0 '- >8*+ ;:' 7* 8?# 08' 89?@ + ;:' 80B' BC89:;*+ 0;" M@85$%'"#)#/' 08B9='0 ' *B9;+?' 0BC0?9='0 ' *' ?98 9?' 0 ' ?B* ' 49 ?' 40;+* ; ;:' H ' /8$%'"3&3#)&5 /7 47' ??@9' >A' *;' 0C984@ @B' +0' 98+ <9' +79' ?C089?' 40;+* ;9=' ;' +79' ?C08*;: * ' 49

3 +2*,4 : 2 ;25 .-060 N 0/;0-,7

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899;' 8*: 9' !7/'5 08B9=' 0 ' ? BC 9' ;0+' ?9C+*+9' *B9;+?# C89?9;+ ;:' + / 0' ?08+?' 0 '89C80=@4+ -9'08:*;?" +79' 0;9' 89?@ + ;:' 80B' +79' 40;49;+8*+ 0;'0 ' +79' :899;' B*++98' *+' +79' 95+89B +A' 0 ' +79' *B9;+?# / 7 47' +79A' >@8?+# *;=' / 79;49' +79A' ??@9' ;' +79' 08B' 0 '*' *8:9' 0-*' B0> 9' &.3"'5 9;+ 89 A' 40-989='>A' *' 4 *+9' 9C +79 @B" +79' 0+798?' +79' 89?@ +' 0 ' 98+ <*+ 0;

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79 /8$%'"#)#9 8?+ *CC9*8? *? *?*B* 708; B23#48#29!/ 5 9= / +7 B@4 *:9# *;= C *49= >A +79 ? =9 0 *?*B* 80@;=9= 08:*; / 7 47 *4+? *? * &.3"/87#9 +79 *;+798 = @B 40;+* ;? ; +? *C95 /8$%'"3J3#)& 0 @8; ?79= / +7 +/0

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745.0/,7

2:0' !::2& 3!'6.0' +/241' 2 ' %!#$"3-#3"'''' .7?0' 7-' O0' .7?0' 4-6' -00*' 682' -2/6-' 2 ' -12/0-' J 6.0' 2*0' +0/:,*76,*+' ,: :03,760 =' 6.0' 26.0/-'-,*9,*+' ,*62' 6.0' :43' 8.0/0' 6.0=' /0:7,*' .4/,-3' 34/,*+' 7' 2*+0/' 2/' -.2/606' 6,:0' ;0 2/0' +0/:,*76,*+' J 6.0-0' -12/0-' 7/0' 5 26.03' ,*' 7' 62 0/7;=' 6.,59' :-:;/7*0' 7*3' /0-0::0' 6.0' * 4-2/,7' 7*,:7-' 60/:03' 8F#:&$/' .0' -6/7*+0-6' 1.0*2:0* *' ,-' 6.76' 2 ' + -#"3 '$-385' 8.0/0' 6.0' ' +/00*' :7660/' ,-' 52*50*6/7603' 8,6.,*' 7' 2,*6' 7*3' ;052:0-' 52*?0/603',*62' :26,0' 52/14-54 0-' 8.,5.' 7//7*+0' 6.0:-0 ?0-' 8,6.,*' 6.0' 64;0' -2' 7-' 62' 2/:' 7' 52:1 060' *0682/9' 76' 6.0' -7:0' 6,:0' 6.76' 26.0/' 52/14-54 0-' 0-5710' 7*3' 2/:' 7/+0' +0/:-' 8,6.' 7' :45.' -280/' 30?0 21:0*6' *7:03' 2%"38#3&.3"'&5 4-47 =' -2' P$ 2 2' 7*',*5.',6 3,7:060/J 6.0-0',*5/07-0' 2/' -2:0' 6,:0',7' -,M0' 6.0*' +,?0' ;,/6.' 62' 26.0/' 52/H 14-54 0-' 4/*,-.03' 8,6.' ?,;/76,66+' .7,/-' 8.,5.' 30?0 21' ,*62' 7' *08' ,*3,?,347' ,*' 6.0' 2/:' 2' 7' *06' G+-)"3)F$-385' 3! 32%W 5 " 5 F' 4/,*+' 6.0,/' 62/1,3' -676' 6.0-0' 5./2*,2-12/0-' /0-0:;0' 7' "3$32323 ' 2' ' ,*' ,*' 3,7:060/' 7*3' .7?0' 2 60*' ;00*' 30-5/,;03' 7-' ?0/=' 3, 0/0*6' -105,0-'' /2:' 6.0,/' 17/0*6-' .0' 9*28 03+0' '6.0-0' 54/,24-' 1.0*2:0*7',-' 340' 62' ' /,*+-.0,:' 7*3' 2:0,-60/

1,8: 36= 6] 8; 4!1'X;A >

0 0@8 9??' *R;* 4' *B9;+0@?' !7<'G\I# 89?9B> ;:' 6/92%'"#/' ;' ?+8@4+@89# :80/ ;:' 0;' =940BC0? ;:' 08:*; 4' B*++98# C89?9;+ ;:' 80@;=9=' B0+ 9' <00?C089?# =8' ; ?>9=' / +7' 7* 8?# 89?9B> ;:' +79' ?C089?' 0 ' :'"(2' 08' 6/92%'"#/' *;=' * ?0' ?C08*;: *' 40;+* ; ;:' ?C798 4*' 00:0; *

4 71/2 0+*,7' 5.=7' =6.,4:

.0-0' -,*+4 7/'?0+067; 0-' 7/0' 52*-,30/03' 62' ;0' 4*+,' ;=' -2:0' ;267*,-6-J 6.0=' ,?0',.' 756' 2*' 2/+7*,5' :7660/-',*' 7' -6760' 2 '3052:12-,6,2*',*' 8760/' 8.0/0' 6.0='756' 412*' 2G,30' 2 ',/2*';=' 3052:12-,*+' 6.0' 57/;2*,5' 75,3' 7;-2/;,*+' 6.0' 2G=+0*' 7*3' 6.4-' -066,*+' /00' 6.0' -4 1.4/06603' .=3/2+0*' 8.,5.' 30-6/2=-' 6.0' ?0+067; 0-' 2/' 7*,:7-' *07/',6' 268,6.-67*3,*+' 6.0' -,+*, ,57*50' 2' 6.0-0' ;,2 2+,57' 1.0*2:0*7' -0?0/7' 1.=-,2 2+,-6-' 8.2' .7?0' 57/0 4 =' -643,03' /."3%78# ' 32' *26' .0-,6760' 62' 5 7--' 6.0:' 7:2*+-6' !-/' ' /."3!'78#/':'"/?54' -7=-' .4/06' ',-' 4-47 =' 24*3' 2*' 6.0';23,0-' 2' 3/28*03' 7*,:7-' 8.,5',' 6' 52?0/-' 8,6.' 7' 8.,6,-.' 328*J ,6' 0?0*' 766759-' ,?0',-.J 26.,*+',-' 07-,0/' 6.7*' 62' 1/254/0' 6.,-'-,*+4 7/' !-/' 06' 7' ?7-0';0' ,03' 8,6.' O760/' /2:' 7' +7/30*' 64;' 7*3' -2:0' ,0-';0' 6./28*',*62',6' 7*3',6' 8,' 4-47 =';0' 30?0 2103',*' 7' 08'37=-' .0';23=' 2' 6.0' =';052:0-' 52?0/03' 8,6.' .=7,*0' ,7:0*6-' 8.,5.' /73,760' 7/24*3',6' 0*?0 21,*+',6' 8,6.' 7' 8.,6,-.' M2*0' *30/' 7' :,5/2-5210' 6.0-0' ,7:0*6-' 7/0' -00*' 62' ;0' 52*6,*424-' -,:1 0' 2/' -57/50=' ;/7*5.03' 7*3' 62' 52*67,*' :,*460' +/7*4 0-' 8.,5.' -.28' 7' :26,2*' /0-0:;,*+' 6.76' 8.,5.',-' -00*',*' 6.0' .7,/-' 2' .-0*2+7:-' .0-0' +/7*4 0-' 7/0' ?0/=' *4:0/24-' 0-105,7 =' 6287/3-' 6.0' 4110/' 0G6/0:,6=' 2' 6.0' 64;0' 62' 8.,5.' 6.0=',?0' 7' +/0=' -2:08.76' /4--06' 6,*6' .,-'12/6,2*' -22*';052:0-',-2 7603' /2:' 6.0' /0-6

'.7?0' *26' 73.0/03',60/7 =' 62' 6.0' 30-5/,16,2*' 2' 6.,-' 210/76,2*',*' 6.0' 2/,+,*7' 8.,5.' 824' 3' *26';0' 5 07/',*' *+,-. B ' B

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2 '6.0 , 7 : 0*6 ;=6.0 2/ : 76,2*2 '73,71./7+ : ' .0*6.0 52*67,*03 : 7660/527+4 760- ,* - : 7 ' : 7--0-' XK/.,5.' ;052 : 0 : 2/0 7*3 : 2/0-.7/1=30 ,*03' 7*30*3 ;= 2/ : ,*+-2 : 7*=M22-12/0-' .0-0 1.0*2 : 0*7 -455003075.' 26.0/ ?0/=/71,3 =J 2 60*, * 0--'6.7*7*.24/6.0 +/7*4 7/ : 7660/ ;052 : 0- 52*30*-03 76 6.0 621' 2 '7 , 7 : 0*6 '6.0 -0164 : ' 2/ : -' 7*36.0 M22-12/0-' 71107/' ,*7 =6.0 64;0' 8.,5.' .7-'7 - : 7

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15 ">
C08*: @B' GO0:0 ; :BI#
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Z'
*B9;+' :' / 7 47'
+79'<00?C089?' *89'
40BC 9+9 A' 08B9=#
*:='0;' +79'C0 :+0 '
9?4*C ; :' 80B''+79'
*B9;+' G 7@89+I

1/264;0/7*50 76 ,6-' 0G6/0 : ,6=' ;4/-6-' 6.0/0' 7*3 6.0 M22-12/0-' 0-2710' 6.0 ,/-6 8,6.' , : 10642-,6=' 6.0 26.0/-' : 2/0 - 28 =J 6.0=' 7/0 64/ ; ,*760 ,*' -.710' 7*3 4/*,-.03 8,6.' 682 .7,/-' .,-' ,-' *26 6.0 2* =' : 230 2 '/01/23456,2*' 12--0--03 ; =' /."3!'78#/É 7*26.0/' 1.0*2 : 0*2*' -455003-' .0 , 7 : 0*6-' 0 : ,6 - : 7 ' 760/7 '; /7*5.0-' 6.0 0G6/0 : ,6,0-' 2 '8 .,5.' 80 ',*62 -7 -' 2 '7 ; 75.,-.' .40 '340 62' 6.0 52*30*-76,2*' 2 '6.0,/' +/7*4 7/' 52*60*6-' 22*' 7 ;164 :' 2/ : -',-2 76,*+ 6.0 -75-' /2 :' 6.0 ,66 0 64 ; 0-' 8 .,5.' -0/?0 7-' 103,50 -' 62 6.0 : ' 60/' 2 : 0 6, : 0 6.0 +/7*4 7/' : 7660/' 3,?,30-' ,*62 -0?0/7 ' : 7--0-' 8 .,5.' 76 ,/-6 73.0/0 62' 6 0 87 -' 2 ' 6.0 -75 ' ;46 8 .,5.' 760/' ;052 : 0 /00 7*3 -1.0/,57 ' 2 : 06, : 0-' 6.0/0 ,-' 2* =' 2*0 2 ' 6.0-0 : 7--0-J -2 : 06, : 0-' 6.0 -7 : 0 -75 52*67,*-' , 600*' 2, 680*6=' ' .7?0 7*5,03 6.76 ' 524 3 /052+*,M0 2*' 6.0,/' 10/,1.0/=' ,66 0 / #!!/' /0-0 : ; ,*+' /0+4 7/ =' 7//7*+03 210/54 7 # .0 -75-' .7?0 ;00*' 60/ : 03 ;=' /,*+-;0, : ' 33&.3"/87#/' .0 22-12/7*+,7 /0>4,/0 0/6, ,M76,2*' 62 0*7; 0 6.0 :' 62 1/23450 0/6, 0 -12/0-' 6 ,-' 2 ;?,24-' 6.0/0 2/0' 6.76 /."3!'78#' ' .7?0 7 324 ; 0 : 230 2 '/01/23456,2*' -, : , 7/' 62 6.76 2 ' 6 #2% />' 6.0 2*0 7-0@ 47 ' ;=' : 07*-' 2 'M22-12/0-' J 6.0' 26.0/' -0 ?,,7 ' 1/2345,*+' 33738#/' 7/,-,*+' /2 :' 6.0 0/6, ,M76,2*' 2 '7 -12/7*+,4 :' D33&.3"/87#98#

' /067,,*+' /."3!'78#W#W ' 7 : 2*+-6 !7/5 80 7/0 *050--7/, =' 03 62 52**056 8,6.' 6.0 :' -2 : 0 1 7*6-' 8.,5.' 71107/' 62 711/275.' 6.0 :',*' 6.0,/' : 230 2 ' 01/2345 2*' ;=' M22- 2/0-' ;46 8.,5.' -2 : 0 3,-6,*+4,-.03 A;267*,-6-' 7 -2 1 750 7 : 2*+-6 4*+,J 6.0-0 7/0 -&$3. 5 '"383&.3"/5 " 5 J 7-' 8 0 '7-' 6.0 ' - : 7 ' 7 : , C 2 ' %-$"#)#/#' /5 52 : 1/,-,*+' %#J#)#9 5 %-$"#) 5 -82%-$"#9 5 " 5 ' .0 +,#076 3, 0/0*50-' 2 '21,*,2*' 7-' 2 6.0 *764/0 2 '6.0-0 1 7*6-' 8.,5.' 0G,-6 ' -.28 .28 2;-54/0 ,-' 6.0 8.2 0 .,-62/=' 2 '6.2-0 /=162+7 : -' 6.76 12--0--' *2 7/5.0+2*,7

! !' " ' % ' ' 1 '2/#& 1 6 A5 #8 2

89? / *+98 !7 5 40;? ?+ ; :' 0 '49 ?' 0 ' -98A' -*8 0@?' 08B# 08' 0 '4 5*B>989=' +@>9?' 40;+* ; ; :' :899;' B *++98# 9 +798 :8*;@ *8' 08' = ?C0?9=' ;' ?C 8* ' C *+9?' +' +>9' C98 0=' 0 ' 89C80=@4+ 0 # +>9' 49 ?' 08B ; :' 9*4>' +@>9' ?/ ` ' 08' B*B *+9' *+98* A# *;=' +>9' B*B *9' 0 '+/0' 40;+ :@0@?' +@>9?' +>9;'@; +9# *;=' +>9 8' / * ?' = ?*CC9*8' *+' +>9' ?@8 *49' 0 '40;+*4+' 0+;B;; 4*+ 0;'>9 ; :' +>@?' 9?+*> ?79=' >9+ / 99;' +>9' + / 0' 49 ?# +>9' :899;' B *++98' 0 ' +79' 0;9' C*??9?' ;+0' +>9' 4*- +A' 0 ' +79' 0+798# *;=' B 59?' / +7' +?' 40;+9;+?# *;=' 80B' +7 ?' @? 0;' ? BC 9' 08' 40BC0@;=' ?C0897' 89?@ +# / 7 47' C80=@49' 0;9' 08' ?9-98* ' ;9 / ' C *;+?

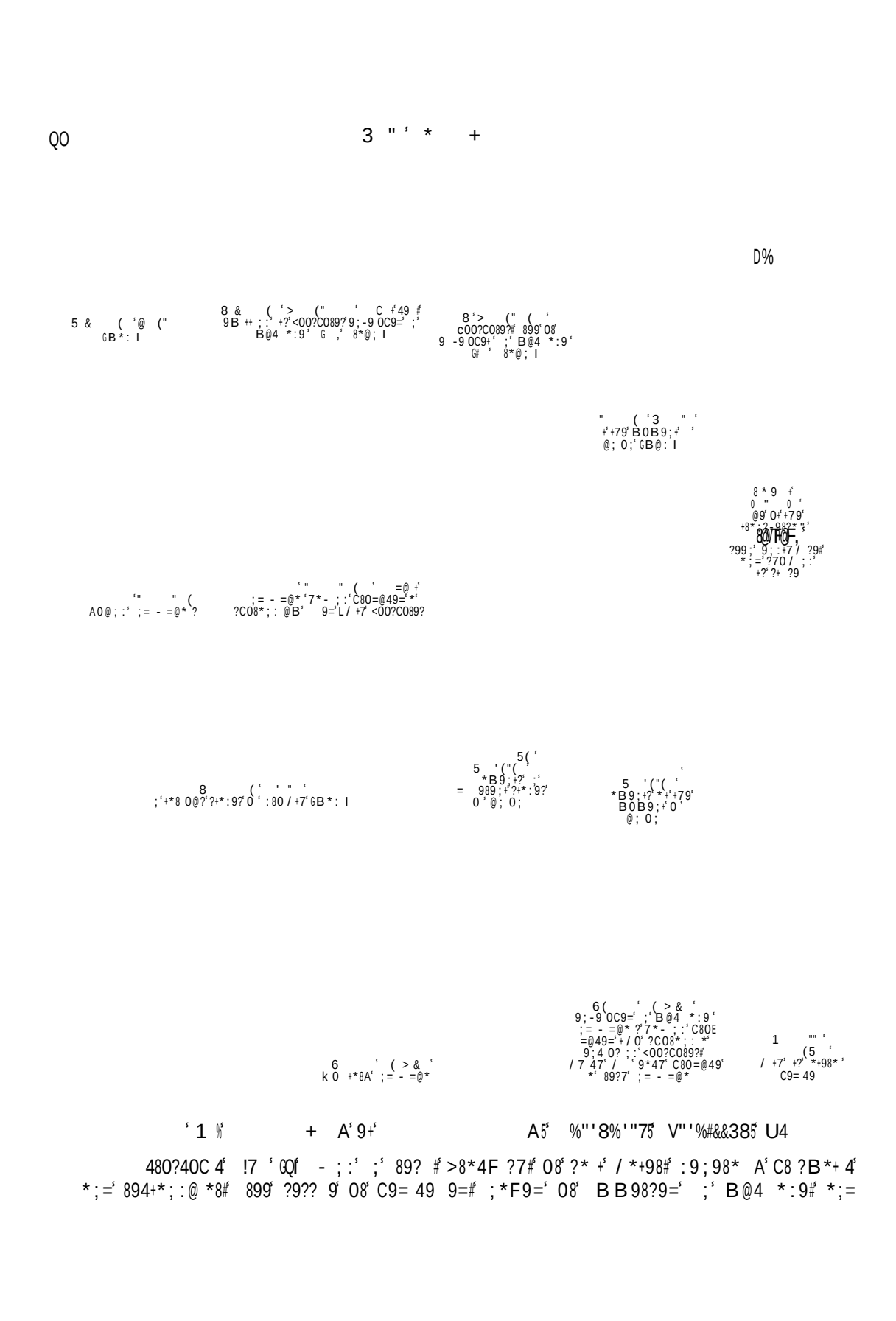
h=+*0 : 7	24+026,7	/760/2-10/ : 4 :	1,/2+=/7
h?+2*,,, :	674/2-10/ : 4 :	,,#2+2*,4 :	0-257/14-

! ' , ! *

480?40C 4' :899;' !72'5 C89?9;+ ; :' +>9' *CC9*8*;49' 0 ' 408C@?4@ 9?' 40BC0?9=' 0 ' + / 0' 0CC0? +9' 79B ?C7989?# D0 ;9=' >*?9' +0' >*?9# 899# ?0 *+9=# 08' *??04 *+9=' ;' *+' 08' ?C 8* ' >*;=?# 9;-9 0C9=' ;' B@4 *:9# -98A' -*8 9=' *;=' 9 9:*;+' ;' 08B# * / *A?' ?AB B9E +8 4* # 9;+ 89' 08' 0>9=' @8 *49' ?B00+7' 08' ?4@ C+@89=# 89C80=@49=' 9 +798' >A' 40;D@E :*+ 0;' G*?' ;' -8&.3"'3' ' *;=' +>9' C*??*:9' 0 ' +79' 9;=04780B9' 80B' 0;9' 7* ' +0' +79' 0+798# 89?@ + ; :' ;' *' 89C80=@4+ -9' ?C089# 08' >A' +79' = - ? 0;' 0 ' *;' ;= - =@* # 08' >A' B9*;?' 0 '?C08*;: *' 0 ' -98A' -*8 0@?' 08B?' >9' :899;' B *++98' 0 ' 1 '& #)#'2'' C0?E ?9??9?# *4408= ; :' +0' ' =9' 89> ??0;# *' 4 84@ *+ 0;' *;* 0:0@?' +0' +7*+' 0 ' %/"/

,5/7-60,C,7-	0*,* : '	0-26, 0*,4 : '	0- : ,3,4,*'	,*760 7
47-6/4 :	2-60/,4 : '	04/2660*,4 : '	12*3= 2/,4*,'	/25.,-5 7
674/7 -6/,, :	06 : 0 ,2/4-'	1,/260*,7'	0 ,0/0 .,'	50*030- : 4-
) 7*6.,3,4 :	= ,*3/25=-6,-'	1.-0/3-7 : 7'	0 0/257/10 7'	03,776/4 :
2- : 7/,4 :				

D%



480?40C 4' !7 ' 0Qf - ; :' ;' 89? #' >8*4F ?7#' 08' ?* +' / *+98#' : 9 ; 98* A' C8 ?B*+ 4'
;=' 894+; : @ *8#' 899' ?9?? 9' 08' C9= 49 9=#' ;*F9=' 08' B B 98?9=' ;' B @4 *: 9#' *;=

= - = ; :' ;+0' C0 AB08C 0' 8*: B9;+?' GA:"9&$9!'&A' 1#/$3 '2"' 7*-9' *'8 : =' 9; -9 0C9# B*8F9=' / +7' 95+89B9 A' ;9' ?+8 J# 8*: 9# ? 490@?# -* -9=# 89B* ; ; :' @; 47*; : 9=' / 79; ':=8A# 40;+* ; ; :' *' >80 / ;' 08' A9 0 / ?7' ; +80 : 9; <9=' B*++98# ?0B9+ B9?' / +7' *' 8*+798' 8*C =' 4899C ; :' B0-9B9;+ 1 0B9' *@+7008?' 89 98' 1#/$3 '2"' +0' +79' ; B*' (; :=0B ' 98+* ;' ?C94 9?' *89' C*8*? + 4" 0+798?' 08B' *F9?# 08' :9 *+ ;0@?' B*??9?' @C0;' 804F?' " 0+798?' -9' ;' 89?7' *; =' C@89' ?C8 ; : / *+98" 0+798?' *: * ;' 40-98' +79' ?0 ' / +7' *' B089' 08' 9??' +7 4F' >80 / ;' ?+ 4FA' *A98# 0 +9;' 044@CA ; :' *' 40; ? =98*> 9' ?C*49 ' 79A' *>0@; =' ;' C@> 4' 0@; +* ;?# +79' / * ?' 0 ' / 7 47" +79A' ?+* ;' >80 / ;

9 '

,5/2 : 0+7	*5=2*0 : 7	,762 : 7	G, 7/,7	=5 260 7
5.,M2 0 : 7	,,, 2*0 7	5.*7*6.0-	6,+ : 760 7	-6U/2 : 1.7 4-
2 : -025 73,7	/7+, 7?,7	= : ;21.2/7	4/,/0 7	1767*+,3,4 :
0/90 0=7	0/,3,2*	2 : 1.2*0*,7	/4-64 ,7	

0-,30-' 6.0,/" : 4 6,1 ,576,2*' ;=' -12/0N' /0-0 : ; ,*+' 6.76' 2 ' 1 '& #)#' ' '5' 1#/$3 '2"' 7/0' : 4 6,1 ,03' ;=' 30341 ,576,2* ' *' 6.0' 50*6,#0' 2 '075.' /4-64 0',*' 6.0' -2 ,67/=' -105,0-' 7*3' 2 '075.' -0+ : 0*6' 2/' 2,*6',*' 6.L' -105,0-' 2 ' 8.,5.' 6.0' /4-64 0-' 7/0' 7++/0+7603' 6.0/0',-' /0>40*6 =' ?,-,; 0',*' 6.0' =24*+' ,762 :' 7' ,*0' 2/' -6/,7' 3,?,3,*+',6',*62' 68 2' 2/' -0?0/7' /4-64 0-' 8.,5.' ;052 : 0' 3,-6,*56',*3,?,347 -' -, : , 7/' 62' 6.0' 17/0*6-' *' 6.0' ,762 : -' 8,6.' 4*,603' /4-64 0-' 6.0' 0 056' 2 ' 6.,-' 30341 ,576,2*' ,-' 62' : 4 6,1 =' 6.0' *4 : ;0/' 2 ' ,6-' -0+ : 0*6-

7*=' 1#/$3 '2"' .7?0' ;00*' 2 *3',*' 7' 2--,' -6760' ./0*; 0/+'3,-52?0/03' 6.76' 50/67,*' f /2660, -62*0 # 0 : 1 2=03',*' 6.0' 7/6-' 80/0' 0*6,/0 =' 52 : 12-03' 2 ' 6.0,/' -, ,5024-' -.0 -' '30' / ;,--2*' .7-' -.28*' 6.76' 57 5,*,*+' ,?,*+' -105,0-' *0,6.0/' 30-6/2=-' *2/' 3,-62/6-' 6.0,/' 0*?0 210' 7*3' 6.76' ;=' 6.,-' 1/250--' 7*' 7/6, ,5,7' /2660* -62*0' 57*' ;0' : 730' .0' - 57 03' f' :,*0/7' 24/ # 62' 8.,5.' +02 2+,-6-' .7?0' +,?0*' 6.0' *7 : 0' 1#/$3 '.'!#$'5' .7-' 6.0' -7 : 0' 2/,+,*' 1#/$3 '2"' 7; 24*3',*' +47*2

A'

& 9' 7*-9' 4 *??9=' *?' %0@>+ @' !72"' G !72"' 4.9"#2' ' 498+* ;' BC98 94+ A' F; 0 / ;' :9; 98*#' *; =' / 7 47' *89' C80>*> A' 0; A' =9 : 8*=9=' 08B?' 0 '+79' C8949= ; :' *B 9?) ?@47' *89' +79' *B 9?' +#(9!/"#'2'5' &2#!!/"#'2'5' 3&$32%#8'2'5' /! '!!'2'5' *; =' 63!(3'#8'

79A' *89' :9 *+ ;0@?' !72"' 0 ' *' / 7 + ??' :899;# >8*4F ?7# 89=' 08' >80 / ;' 40 0@8# - ; :' 0;' 9*8+7' 08' =*BC' ?+0; 9?# 08' ;' +9?7' +798' 40 =' 08' +798B*' / *+98# 8*89 A' ;' +79' ?9*" 40BC0?9=' 9 +798' 0 ' : 0>@ 9?# 08' 0 '? BC 9' 08' >8*; 479=' *B9;+?# 40;+ ;@0@?' 08' 47*B>989=# ;9*8 A' * / *A?' `; -9 0C9=' ;' B@4 *:9

b *; A' 0 '+79 8' :9; 98*' *89' ;0 /' ?0' *B *8' +0' @?' +780@: 7' +79' 89?9*8479?' 0 ' B 480?90C ?+?# +7*+' *' >8 9 ' ; 0+ 49' 0 '+79B' ?99B?' +0' >9' 89R@ 89=# @; =98' +79' +8 >9?' +0' / 7 47' +79A' 7*-9' >99;# 89 9889=

' ?4 DJ# ;4 @= ; :' K - 7 7J%8 : *;+?' :80 / ; :' ;' 89?7' *; =' >8*4F ?7' C00 ?# 70+' ?C8 ; :?# 8 -98?# -9 :9+*> 9' ; @? 0;?#) ' 08B9=' 0 '+8*; ?-98?9 A' ?+8 *+9=' 8 B0; 08B' *B9;+?# ?0B9+ B9?' ?C 8* A' 4@8 9=' 08' ?79*+79=' ;' B@4@?# 957 > + ; :' *' ?98C9;+ ;9' B0+ 0; ' 9C80=@4+ 0;' >A' +8*; ?-98?9' = - ? 0;

R '

-5, 762/,7'	1,/4 ,*7'_N 1,/4 7/,7S'	,5/252 04-'	=*+; =7'	5=62*0 : 7
26./,G'	7 26./,G'	5 0/26./,G'	,?4 7/,7'	-026/,5;,7
4756,-'	01626./,G'	7560/,4 : '	,; /,2	

(H

Q 3 " ' 6

0/=' 2;-54/P 1 7*6-' 7;24*3,*+',*' 37 : 1' 1 750-' 7*3',*' ?7/,24-' -,6476,2*-J -2 : 0 2/ :' 822 =' 1765.0-' 2/' +0 76,*24-' -6/767 2 ' 7 +/00*' 2 ,?0 ;/28*' 2/ -0/4+,*24-' 52 24/J -2 : 0 0 : ,6 7 -6/2*+' 2324/J -2 : 0 7/0 7 : 2-6 ,*?7/,7; =' 24*3 2*' 3/,11,*+' /259-' 6#,"#3& 7/0 : ,*460 52 24/ 0-' 756,?0 2,*603 ;23,0-' 6.76 7;24*3',*' 3052 : 12-,*+',* 4-,2*-' 7*3' ,90 6.0 -6, ' -, : 1 0/ $#2#'#>#2'5 8 .,5.' 7/0 : 0/0 ,* 0G,; 0 /23-' 2' 0G50--,?0 : ,*460*0--' 7/0 1/2;7; =' /43, : 0*67/=' -6760-' 2 ' 26.0/' ,"

')2 , !, B 7*6-' +/28,*+' 2*' 37 : 1' : 2--' 2/' 07/6.' 7*3' 2*' -62*0-' ,*' /0-.' 8760/' 52*-,-6,*+' 2 ' - 0*30/' : 2*, , 2/ :' 6/7*>4, ' 2/' 2-5, 76,*+' , 7 : 0*6-' 52 : 12-03' 2 ' 52 -' 1 7503' 0*3' 62' 0*3 ' , : : 0/-03' ,*' 7 30*-0' +0 76,*24-' : 7660/' 2/ : 03' ;=' 6.0' 4-,2*' 2 ' 6.0' +0 76,*24-' -.076.-' 2 ' 6.0' , 7 : 0*6-' 0 -' 2 ' 6.0' , 7 : 0*6-' 2 ' 6./00' 9,*3-'@B ' /3,*7/=' 52 -J T' 0-,54 7/' 50 -' 7/+0 ' 8,6.246' +/7*4 7/' : 7660/' ;46' 2 60*' 8,6.' 0/056' .7,/-J (' 2;2-0' 0 ,16,5' 2/' 5=,*3/,5' -12/7*+,7 B 01/23456,2*' ;=' 50 3,?,-,2*

' 2-625' D 2/ : 2-,1.2*F' 1. : /2M?+7' .'" 3&'#"/' 2*2/ : ,7
1.7*,M2 : 0*2* *7;7,*7 /,5.235 : ,4 :

' +/241' 2 ' 2;-54/0' 1 7*6-' /0-0 : ; ,*+' 3$$' /' 7 : 2*+-6' ,5.0*-' 0G60/*7 =' 24*3' 7 ' 2?0/' 6.0' + 2;0' 0?0*' 2*' ,50' 7*3' -*2 8 J 2 60*' 2554//,*+',*' 30675.03' : 7--0-' 3&$32' ')9!'' ,-' -2 3',*' .,*7' 3/,03' 7*3' 2/ : -' 7*' ,*+/03,0*6' ,*' -241-' 0?0/7' -105,0-',*.7;,6' -7 6' 790-',*' ,;06' 7*3' 0 -08.0/0' +383" #/' 2/ : -' 276,*+' 0 = ,90' : 7--0-' 2*' ;/759,-.' 87 0/' -2 : 06, : 0-' 2 ' +/076' 0G60*6' "#2%3)'& #9 5' 8.,5.' 276-' 2*' 6.0' -4/ 750' 2 ' 6.0' +/076' 2507*-' 7*3' 03' 07' 7*3' /0-0 : ; 0-' 5.21103' -6/78' .7-' ;00*' /0 0//03' ;26.' 62' 6.,-' +/241' 7*3' 62' &2#!!/#3"#'2'

' 2 - K B 0 76,*24-' 2/' 12830/=' 5/4-6-' 24*3' 2*' 37 : 1' -4/ 750-' 7*3',*' /0-.' 2/' -7 6' 8760/' 52 : 12-03' 2 '+ 2;4 7/' 7*3' 0 ,16,5' 50 -' 7++/0+7603',*' 7' +0 76,*24-' : 76/,G',*5/07-,*+' ;=' 50 3,?,-,2*' 7*3' ;=' 5, ,7603' M22-12/0-

' . 2/252554- /26252254- ,2571-7 2//72-12/7
7 : 0 7 /=126.7 4-

') ' /' 2"9'8$/' 2/ : -' 6.0' 8 0 9*28*' /2-0 52 24/03' +0 76,*24-' 1765.0-' 2*' 37 : 1' 8 7 -' 8.,5.' 790 2 ' 8.0*' 3/=' ' ."3)#7#3&/' 8 .,5.' -1/073-' 2?0/' : 076' 7*3' ;2, 03' ?0+067; 0-' 4*30/' 50/67,*' 76 : 2-1.0/,5' 7*3' 26.0/' 52*3,6,2*-' 8,6.' 7 7/ : ,*+' /71,3,6=' ,-' 1/2;7; =' *26' 7*' !7/' "3$323'28&',*5 430-' ?7/,24-' 4*,H 50 4 7/' /! ' /2'2'5 8 .,5.',*5/07-0' ;=' 3,?,-,2*',*62' 682' 2/' 24/' 17/6-' 8 .,5.' -017/760' ;46' 7/0' 52**05603' ;=' 7' -0 : , +0 76,*2 -' 7=0/' 2 : 06, : 0-',6-' 20 +' +,?0' /,-0' 62' 24/' 5, ,7603' M22-12/0-' 2 ' 682' -,M0-' 6.0' 7/+0/' 2 ' 8 .,5.' -066 0' 328*' 7*3' 30?0 21' 7' 50 4 2-0' 5276J' 8 . , -6' 2 ' 6.0' 4/6.0/' 30?0 21 : 0*6' 2 ' 6.0' - : 7 0/' *16.,*+',-' 9*28*' .0' 7 : 24-' 03' *28' D ' 8# !#& ' 2 ' 6.0' 7/56,5' /0+,2*-' 7*3' 1-' 8 .,5.',-' 7 -2' 24*3' 2*' -62*0-',*' /0-. 8760/' -6/07 : -' ; 0 2*+-' 62' 6.,-'+0*4-' 7*3',-' 1/2;7; =' 7' /43, : 0*67/=' /! '!!/5

' "0 " J B# ,*460' /0-. 8760/' ,"> ' 52*-,-6,*+' 2 ' 7' *4 : ;0/' 2 ' 10/ : 7*0*6 =' 756,?0' M22-12/0 ,90' ;23,0-' 7--25,7603',*' ?7/,24-' 1/ : -' 7*3' -4//24*303' ;=' 7' +0 76,*24-' 5276' ? ,6.' 2/' 8,6.246' 7*' 0*?0 21,*+' : 0 : ;/7*0

' /
2 ?2G 601.7*2 1.-0/7 2*,4 :

63!(3?',-' 7' 17 0' +,000*' + 2.4 0' 2*0 , 6,06.' 2 ' 7*',*5.',*' 3,7 : 060/' 52 : : 2*',*' 12*3-' ,*' 52*-67*6' /2 ,*+' : 26,2*' 6' 52*-,-6-' 2 ' 7' : 0 : ;/7*24-' -75' -643303' ? ,6.' +/00*' 12,*6-' 7*3' 5 26.03' 8,6.',**4 : 0/H 7; 0' 5, ,7' .0' +/00*' 12,*6-' 52*-,-6' 2 ' 7=0/-' 2 'M 2-12/0 I ,90' ;23,0-' 5276,*+' 6.0' ,*-,30' 2 ' 6 ,0' -75' 8,6.' 682' 5, ,7' 8 .,5.' 1/2 056 6./24+.' .2 0-',*' 6.0' -75' 7*3' 7/0' 4/6.0/' 1/2?,303' 8,6.' 30 ,5760' , 7 : 0*6-' 6.76 0 ?60*3' /2 :' 6.0,/'-,30-' 7*3' : 006' -, : , 7/' , 7 : 0*6-' /2 :' 6.0' 73 2,*,*+' ;23,0-' .0' M22 -12/0-' 7/0' 1=/,

) ' Q H

2/ : ' .7?0' 7' /033,-.' 0=0 N126' 7*3' 6/7*-17/0*6' 52*6/756, 0' ?7542 0' .0,/' : 230' 2 ' /01/23456,2*' ,-' *26' -76,- 7562/, =' 7-50/67,*03 ' ;46' =24*+' 2 ?2GO-' 25541=' 6.0 ' 50*6/0' 2 ' 6.0' -1.0/0 ' .%883A% "/' .7-' 0,+.6' ;,5, ,7603' +/00*' 50 -' 1 7503' 76' 0>47 ' 3,-67*50-' 7 2*+' 6.0' 0>4762/' 2 ' 7' -1.0/,57 ' 50 ' 38#9 ' 1/OH -0*6-' 7' 76' /2*3' 2 ' 7;246' -,G600*' 50 -' .0-0' 2,#+7*,-:-' 1/0-0*6' 682' 2/:-' 2 ' 50 -' 7*' 756,?0' 7*3' 7' : 26,2* 0--' .0' 756,?0' 50 -' .7?0' 075.' 7' 17,/' 2 ' ?,;/76, 0' 5, ,7' 1/2 056,*+' 6./24+.' 6.0,/' .=7 ,*0' 0*?0 210

' 255 , ' D,*5 43,*+' 4 4 7*3' 72 , 4-F' 52*-,-6' 2 ' : ,*460' 52 24/ 0--' + 2;4 0-' 276,*+' ,*' ?,*0+7/' 7/2 : 76,5' 8760/-' "5 ' 7*3' 7/0' 1/2;7; =' : =50 ,7' 2 ' , 308' 4*+, B :

.0' /226-' 2 ' !72'' 7/0' -2 : 06, : 0-' 7;-0*6' -2 : 06, : 0-' /034503' 62' 4 5/7' 2/' 5 7-10/-' ,G03' 62' -2 ,3';23,0-' 7-' -62*0-' -.0 -' 8223' "5 J -2 : 06, : 0-' ,7 : 0*624-' 7*3' 30-50*3,*+' ,*62' 6.0' -7*3' G /9!'".!5' '8#2#!!9&5 "5 FJ' -2 : 06, : 0-' 3,-52,3' 7*3' 76675.03' 62' 26.0/' !7$'' ,90' -4590/-' G ' 3!#&#/5' '('# '/5 "5 F

.0' -60 : -' 2 ' %2'3&.3"'2'' 7/0' 4-47 =' 5=,*3/,5 ' 2/ : 03' 2 ' 0 2*+7603' 50 -' 8,6.' 6.,59' 87 -' 4*,603' ;=' : 07*-' 2 ' 7' ,/ :' ,*60/50 4 7/' -4;-67*50'%6.0' -60 : -' 7/0' -,-1 0' 2/';/7*5.03' 2 ' ?7/,24-' 0*+6.-' -2 : 06, : 0-' 0/056' 7*3' -,: 4 76,*+' 7' -: 7 ' 6/00' 2 ' $' 62' 3' 006',*' .0,+.6' D '&&3)#) 5' -2 : 06, : 0-' -82 0*' 7*3' ;4 ;24-' 76' 6.0' ;7-0' D /!#7'8#/ 5 7 87=-' 301/,?03' 2 ' -62 : 767' .0' -60 : -' D -6,10-F' 2 ' -0?0/7 ' !7$ ' 10/,23,57 =' 2-0' 6.0,/' /2*3-' 8.,5.' 7/0' 7**47 =' /0*0803' D / #8/"#/' !39&38 ' .0=' -2 : 06, : 0-' 1/0-0*6' 3,-6,*56'M2*0-' 2*' 7' 6/7*-?0/-0' -056,2*' 340' 62' 6.0' /0 76,?0' -,M0' 2 ' 6.0' 50 -' 52 : 12-,*+' 6.0 : ' @ 6.0' 7G,-',-' 2/ : 03' 2 ' 7/+0' 50 -' 7*3' 57 03' 1,6.' D&$"/$9 ' ')9 /"' J 62' 6.,-' -455003-' 7' : 03,7*' M2*0' D&$"/$9 ' #8$'" ')#9 5' 52?0/03' ;=' 7*' 2460/' D $"/$9 ' 23":#2/F J 6.,-' 7660/',-' 2/ : 03' 2 ' /76.0/' 30*-0' 50 -' , 03' 8,6.' 7'52 24/,*+' : 7660/' 8.,5.' 3060/ : ,*0-' 6.0' 52 24/' 2 ' 6.0' -105,0-

.0' 3, : 0*-,2*-' 2 ' !7$& 7/0' 0G6/0 : 0 =' ?7/,24-' "3$323229& : 07-4/0-' -57/50 =' 6.0' 2 ' 7*' ,*5.' 8., 0' + /2"32-&$#& 0G60*3-' 62' *07/ =' '$$' 006' .0' /2*3' 2 ' /!#7'8#/' %),/&/' : 07-4/0-' -2 : 06, : 0-' (' 006' ,*' 8,36.' .0' :,5/2-521,5' 1 7*6' 30-5/,;03' ;=' 2*67+40' ,*' &%%' 7-' "#2%3)'& # 8' %"'8,'"7## 52?0/03' 6.0' 03' 07' 7/6.0/' 6.7*' 6.0' 0=0' 524 3' /075.' 2?0/' 7' -4/ 750' 2 ' : 2/0' 6.7*' T$$' :,0-' 8,6.',6-' ,66 0' ,7 : 0*6-' 2 ' 7' ./,59 /03' 0 0@8" .0*50' 6.0' *7 : 0' P +,?0*' 62' 6.0' -07' 8.,5.' 6.,-' !7/' -2 : 06, : 0-' 52 24/-' .46' 8.,5.' -0?0/7 ' *7?,+762/-' .7?0' 2;-0/?03' 76' 3, 0/0*6' 17/6-' 2 ' 6;0' 6 7*6,5

!7 ' 7/0' 4-47 =' -4//24*303' ;=' 7' 6;,5.0/' 2/' 6.,-**0/' 7=0/' 2 ' : 45, 7+0' 6;0' 2/,+,*' 2 ' 8.,5.' ,-' ?0/=' 2;-54/0' 7*3' 6.,-' 8.06.0/' 6.0=' ;0 2*+' 62' 6.0' +/241-' 2 ' :,5/2-521,5' 4*,50 4 7/' !7/' 2/' 62' 38:'"(/5' 92/2'/5 !3"?)'/5 "5' .0/0' 7/0' -2 : 0' .280?0/' 8.,5.' 7/0' 52?0/03' 8,6.' 7' 57 57/024-' 5276' ,90' 50/67,*' %/"/J 7-' 2'$9%#)/"#/5 '3 '"#&5 /"/!!#8/5 7*3' -0?0/7 ' 26.0/' +0*0/7' 2 ' 6.0' +/241' %!3"3 .3"'/' 0?0/7 ' %/3&.3"'/' D / #8/"#/5 U !# 7 60/' .7?,*+' ;00*' 87-.03',*' /0-.' 8760/' 7*3' 3/,03' ;052 : 0' 52?0/03' 8,6.' *' 8.,60' 0 2/0-50*50' 2 ' 7' -8006' 67-60' D /88#$' ' 6.0/-' 7+7,*' 71107/' 62' -05/060' 7' ,>4,3' 75,3' 0*24+.' 62' 3052 : 12-0' 6.0' .7/30-6' ,: 0-62*0J 7-' 6.0' -,*+4 7/' 9/2$#&' 2/!2#(3"/5 2;-0/?03';=' ' /74*' 2*' 6.0' 10;; 0-' 2 ' 6.0' 790' 2 ' 04 5.760 ' 8.,5.' 6.,-',66 0' :,5/2-521,5' !7/' D]=+' 2 ' 7*',*5.F' 30-6/2=-' 4//28,*+' 6.0 : ' 8,6.' 82/ :,90',*0-' 2 60*' 2 '+/076' 3016.

0?0/7 ' -105,0-' 0G.7 0' 7' 1054 ,7/' - : 0 ' 0-105,7 =' -2 : 0' 6, : 0' 7 60/' ;0,*+' 6790*' 246' 2 ' 6.0' 8760/' 3$ 8.0*' : 2,-60*03' 7 60/' .7?,*+' ;00*' 3/,03J 7-' 3!7&#.%38#/5 8.,5.' - : 0 -' 2 ' 5. 2/,*0' '& /"'&$#/' 7*3' $#!3.%3"/5 8.,5.' 0G.7 0' 7' -.7/1'4*8.2 0-2 : 0' - : 0 ' 0/67,*' !3"#)'/5 8.0*' : 2,-60*03' - : 0 ' -2 : 06.,*+' ,90' ?,2 06-' ,*7 =' -2 : 0' &2#!!/"#/' .7?0' 7' -,+.6' : 4-9=' -50*6' .0' : 7 2/,6=' 2 ' !7/' /0-1,/0',*' 6.0' -7 : 0' O7=' 7-' . : *2+7 : -J 6.0=' 3052 : 12-0' 57/;2*,5' 75,3',*',+.6' 7*3' 3,-0*+7+0' 2G=+0*' 0?0*' 8.0*' 301/,?03' 2 ' +/00*' : 7660/' 7-' ' 2-7*2 ' .7-' -67603' ! >#)'/' 280' 6.,-' /0 : 7/97; 0' 1/210/6=' 62' 6.0,/' /03' 1,+ : 0*6 ' 7-' 0' 7*32 0' *26,503' 8.0*' -4; :,66,*+' 3".%-"/')7/"#&' 62' 6.0' 756,2*' 2 ' ,+.6' .0' /."3!'78#'/5 .280?0/' ;0.7?0' 3, 0/0*6 ='7-' 80' .7?0' -00*J 6.0=' 7;-2/;'6.0' 2G=+0*' 2 ' 6.0' 8760/',*' 8.,5.' 6.0=' ,?0' 7*3' /0-1,/0',90' 7*,:7 -

7*=' +/28' 0G5 4-,?0 =' 2*' 26.0/-J 7-' #$%3&#.%385' $"'%!38' /5 +-"#3$"#2%#/5 +-"#38' /5 !/2%#&$/5 "-$%"3$"#2%#/5 3!7&#.%38#/5 " 5 J ;46' 6.0-0' 1 7*6-' 7/0' *26' /07 =' 17/7-,60-' 6.0=' 32' *26' 7110 6/' 62' 3/78' 6.0,/' -4-60*7*50' /2 :' 6.0' !7/' 2*' 8.,5.' 6.0=' +/28' 6.0' 52 24/' 8.,5.' 50/67,*' ;267*,-6-' .7?0

P .,-' 06= : 2 2+=' ,-' *26' 73 : ,--,; 0 B

6.24+.6 6.0=' 524 3 10/50,?0 ,*' 6.2-0 !3"#)2/' 8 .,5.' 7/0 17/7-,6,5 2*' +3"3&.3"2/' ,-' 2/0,+*' 62 6.0-0 7660/' 7-' : 7=' 07-, =' ;0 7-50/67,*03 ;=' 6/7*-?0/-0 - ,50-' 8 .,5.' -.28'682 ?0/=' 3,-6,*56 /,*+-' 6.0 50*6/7' 2*0 +/00*' 6.0 2460/' /03' 6 ,-' .280?0/' 50/67,*' 6.76 -2 : 0 !-2'' 57*' 2* =' +/28' 2*' 6.0 6,--40-' 2' 26.0/' -105,0-' 7*3 -2 : 0 0?0*' 2* =' 2*' 7 17/6,54 7/ -105,0-J 7-' !/2%#&$/' &29$9!/$/' 2*' # /8$%/!#/5 2$82/".9& ,"/2%#/$9& 2*' +%3)- '8#/'./! /$/5 %#J3.%-!!#&)'8$/$/'2*' '-&&388'!#/' M9/ /"#/5 9!-&$.F38#/':/&$#7#/$/' 2*' $#29& 83)3&9&5 ''55 "5' 2:0 38:'"(/' 7*3 /.>3!'78#' ' 30?0 21' 2*' ,-.0-' 8.,5.' 6.0=' ,*7 =' 3 ' .0 -.0 ' 2' -2 : 0 : 7/,*0 2/62,-0-' 2' !71 7*' 7/0 -2 : 06, : 0-' >4,60 52?0/03 8,6.' 38:'"(/5 +,?,*+' 6.0 :' 7 : 2-6 -,*+4 7/' 7-1056

.0 : 7/,*0 !7/',*.7;,6 6.0 : 2-6?7/,03 257 ,6,0-J -2 : 0 7 056 6.0 -.2/0' 26.0/-' 6.0 210*' -07' ?0/=2*0 .7-'.07/3 2'6.0',: :0*-0 ;7*9 2' 078003 G /"7/&< ' 8/$/8& ' 276,*+',*' 6.0 :,33 0 2'6.0 6 7*6,5 507*' 8.,5.' ./,-621.0/ 2 4 : ;4-' 5/2--03 ,*' %$T' ,*' (& I 45 7*3 7+7,*' ,*' %$('.,*'('m' ;068 00* %$ 7*3 %(O ' 2*+' 28' 7-' 6.,-' 0*2/ : 24-' ;7*9 2' /"7/&&9 '-6, 'OG,-6-' 8 0 : 7=' 52*5 430 6.76 ,6 .7-' *26 5.7*+03 ,6-' 12-,6,2*' 34/,*+' & E$'=07/-' .0 2 7/' -07-' -4112/6 6.0 7/+0-6 !7/' 2'6.0 +/241-' 2' %/3&.3"''/5 / #8/"#/5 2/ 92/2'/' 929& 8'&#29!3&9& +/28-' 2*' 7*=6.,*+' .0 *764/0 2'6,0 /229 2*' 8.,5.'6.0=' +/28' 320-' *26 71107/' 62 ;0 2',: 12/67*50 62 7/' 6.0 >47 ,6=' 2'6.0 8760/' : 2/0 2/ 0-' : 433=' : 2/0 2/ 0--'6/7*>4, '6.0 0G12-4/0 62 6.0 &%32F 2'6.0 87?0-'6.0 0?0' 2'6.0 ;075.' "5' 71107/' : 45.' : 2/0 *050--7/=' 52*3,6,2*-' 2/ 6.0,/ 30?0 21 : 0*6' *' ;2662 : -' 2' 14/0 : 43 -57/50 =' 7*=H 6.,*+',-' 24*3 ;46 6/92%'"#/5 #/$3 '/5&58# -2 : 0 &(#!!/"#'/' V;46 2*' : 433=' /259-' 7*3 -.2/0-' 8,6.' [3&$'"/5 6.0 7 +2 2+,57' 2/7',-' 2 60*' ?0/=' /,5.' 7*3 52*67,*-' 7 7/+0 *4 : ;0/' 2' 1054 ,7/' -105,0-

.0 !7/' 2'6.0 210*' -07 2 60*' ,?0 76 ?0/=' 52*-,30/7; 0 3016.-@)3$'/' (#$#:3!#/' .7-' ;00*' ;/24+.6 41 /2:' 7 3016.' 2' TE$ 006' *07/' 6.0 7*7/,0-J 0/2*' 7*3 74+3 .7?0 3/03+03 41 ;/, ,7*6 ,?,*+' !7/' /2:'<<$' 006J 7*3 2/=' 305 7/0-'6.76 .0 ,-.03 41 /"7/&&9 '$9"%#8/$9 ' /2:' 7 3016.' 2' *07/=' <<$' 006'2 '6.0 -0'2' /7*50 P 8/)-3 '8''&$'!!/$/'.7-';00*'+76.0/03 76 680*6=' 76.2:-',*' 6.0 4 '2' 0G,52J 38&$/8:#8#/5 76 ,6=' 76.2:-',*' 6.0 2 7/'-07-' : :0*-0 :7--0-' 2' 1#/$3 '/' 7/0 :06 8,6.' ,*' 6.0 30010-6 7;=--0-' 2' 2507*' 6.24+.'7552/3,*+' 62 3,?0/-' ,+.6 320-' *26 71107/' 62 10*06/760 ;0 28 ,600*' 76.2:-'*0?0/6.0 0--' 6.0 7;2?0 :0*6,2*03)3$'/' $#:3!#/' 87-' 2' 7 /,5.' +/00*' 52 24/' 52:17/7;0' 7552/3,*+' 62 4:;2 36' 8,6.'6.76 2'6.0 07?0-' 2'6.0 ,*0' 7*3' 2' /7--' .0 60:10/7H 64/0 -4,67;0 62 6.0 +/28 6.' 2' !7"'' 7 -2 1/0-0*6-' /0:7/97;0 3, 0/0*50-' O.,0 #>3:323229& 8#(/!#&,?0-' 2*' -*28' 7*3 6.0 7/+0-6 / #8/"#/',*.7;,6 6.0 12 7/ /0+,2*-' 80 :006 8,6.' !7/' 7 -2 ,*' 6.0/:7' -1/,*+-@ -45.' 7-' 6.0 &2#!!/"#'/5 8.,5.',*' 4-57*=',*.7;,6;2/75,5' 122 -J 7*3 8/,/#8/' $%'"8#/!#&5 8.,5.' +/28-',*' :,*/0/7' 8760/-' 2' 7 60:10/764/0 7;2?0 $%' C7./

-' 62 6.0'+02+/71.,57' 3,-6/,;46,2*' 2' !7/5 %/3&.3"'/' 2/ 92/2'/' 1/0 0/' 6.0' 52 3 /0+,2*-' 2' ;26.' .0:,-1.0/0-J *0?0/6.0 0-' /"7/&&$$ ' 7;24*3-' ,*' 6/21,57' 7*3 -4;6/21,57' /0+,2*-' F3)3&.3"''/' 2/]2*BRL'1/,*5,17 =',*.7;,6 60:10/760 J38'&E %!3"3&.3"'/' 2/ 38:'"(/' 7;24*3 0?0/=8.0/0

.0 +0*0/7 7*3 -105,0-' 2' !7/' 7/0 ,*,*,60 =' 0-' *4:0/24-' 6.7*' 6.2-0 2' 26.0/' /=162+7:,5 7:,,0-' ;46 6.0 *4:;0/' 2',*3,?,347 -',-' :45.' :2/0 52*-,30/7;0' .0 -24*3,*+' 073 ;/,*+-' 6.0:' 41 ,*' 7--0-' /2:'7 ' 3016.-' 7*3 +6$:0RL'7/0 76 6.0 1/0-0*6 6,:0 7,3,*+',*' 6.0 2/:76,2*' 2' -,5024-' 3012-,6-',:,7/' 62 6.0 2--,'3012-,6-' 8.,5.'=,0 3 /2660* -62*0' /0-. 8760/' !7/' 7/0' : 45.' :2/0 7;4*37*6 6.7*' :7/,*0J 38:'"(/' -2:06,:0-' :4 6,1 =' 0*2/:24-=',*' 8,*60/' ,*' -4;:0/+03 :07328-' 7*3 2/:' 7 2/6 2' 06' 8.,5.' 2*' 6.0 /06/076 2' 6.0 8760/-' /0:7,*-' 3/=' 8.,60*-' 7*3 ,-' 9*28*' ;=' 6.0 *7:0 2' 8/$9:/!./.'" 2/ </$'">:!/88'!

.0 :7/,*0 !7/' 8.,5.' 7/0 :03,5,*7' 7+0*6-' 280 6.0,/'1/210/6=' 7-' ?0/:,4+0-' 62 ,23,*0' 7 1280/ 4' :03,5,*0' 7*3 62 7 ?0/=' -8006?2 76,0 2,J 7-' 6.0 2,C-,57*' 2--' D #7/"$#8/' '! #8$%32%3"$38' 7*3 6.0 52::2*' 2/7 ,*0 G 3"/!!#8/' 3::#2#8/!#& ' /2:'6.0 7-.0-' 2' O /759',23,*0 7*3 -237 7/0 2;67,*03' .0 7-.0-' 2' :7*=' -105,0-' 80/0 0:1 2=03 7-' 7*6,-/2 24-' 7*3 7*6,-52/;46,5;0 2/0 24/62,-' 7*3 7=' 4--75 3,-52?0/03 7*3 -017/7603 6.0 -,:1 0 -4;-67*50 ,23,*0' *28' -2 :45.' 4-03 ,*' :03,5,*0' !(/' /2#$2/' 87-' 2/:0/=52*-,30/03 7 /0-2 ?0*6 7*3 ?4 *0,#7/=J 38:'"(/' "#(9!/"#&5 8.0*' 3,-60*303 8,6.' 8760/',-' 4-03 7-' 7 621,5 2/:4:-' 0?0/7' -105,0-' 52*67,*' 7':45,7+0' 8.,5.' 8.0*' *26 7 60/03 ;=' ,23,*0' /0*30/-' 6.0:' 03,;0J 7-',*' 6.0 7//7+00*' 2--' G %38)"9&.3!-3".%9& 5' 8#.,5.' -4112/6-' 6.0' 122/' *76,?0-' 2' 6.0' -07 /-.2/0-' 2' *2/6.0/*' -07-' J 7*3 7-',*' !/"#/' '&29!'8$/5 %3)- '8#/'./! /$/' _ 4 -0S' 6#(/

C ,,-' ' :7=' ?2*6,4#-' 62 7--4/0 6.0 /0730/' ,-' 7 6 9549C+0;' 0 '+79' /"7/&&9 '8/$/8&5' /7 47' 0*+?#' ;' *;' 0//2/J /"7/&#/' 7/0 0:,*0*6=',662/7' !79)' 8,6.' 6.0 *>;08B*'40;=+0;#' ;'+79' 89*+' 49*; 1 %

/2$# /'_ /00*' 7/0,CS' 3".%-"/'.$8.9"'/5 2)- '8#/' ')9+&5 "5' .0',* ,7;,67*6-'2' 246.' .,'4-0'7-' 223' 6.0' 7/+0' : 45, 7+,*24-' /2*3-' 2' "(#!!'/' #'$#!#&' 3".%-"/' # !-/"#&5 522903' 8,6.' 082* 4,00' 2/ : -'7'-2/6'2'52*3, : 0*6' _57 03' 7?0/' : 45.'4-03' .='10/-2*-'2''7'-5/2 4 24-'.7.,6SJ6.0' .,*0-0' : 790' 5790-'2' 3".%-"/'8.,5.'6.0='3/='7*3'6.0*' -279'62' 2;67,*' 7'*46/,6,24-' 0 =' .0='7-2' 1/017/0' /2 :' "/2#!/"$/'!#2%'83#)'&5 2/' 0= 24' 2--'7*'7 , : 0*67/=' -4;-67*50'7*7 2+24-'62',-,*+ 7--

.0'*0-6-'2'6.0' 7 7*+7*0' 87 28''7'-105,0-';0 2*+,*+'62'6.0' 2*37' -7*3-'6.0' 2 4557-'"5''7*3' 2'8.,5.'6.0' .,*0-0' : 790'+/076'4-0'_7-'.,/3#-*0-6'-241S'80/0' 2*+'-4112-03'62';0' : 730' 2'50/67,*' : 7/,*0' !72&' 2'6.0'+/241'2' !3")'/'D '!#)#9<#5 "/2 /'#/'5 .%''"3'32' 5 "$FJ .46' '/5'.7-' 5 07/ =' -.28*'6.76'6.0-0'*076-'7/0'2''7*, : 7'2/,+,*'7*3'6.76'6.0' 7 7*+7*0'52*-6/456-'6.0 : ' ;=' : 07*-'2' 7' : 454-' 8.,5.' 28-' 7;4*37*6=' /2 :' ,6-' ;079' 76' 6.0' 17,/,*+'-07-2*' 7*3' 8.,5.' ,6' 7//7*+0-',*' 6.,*' 52*50*6/,5' 7=0/-

0-,30-'6.0',23,*0'7*3'-237'=,0 303' ;=' : 7/,*0' 6.0' 7/ : 0/-'2*'6.0' 527-6' -2 : 06, : 0-' 4 0' 6.0 : ' 7-' 5766 0 223' ;0-,30-' 8.,5.' 6.0='7/0' 7' ?7 47; 0' : 7*4/0'0*/,5.,*+'6.0' -2,' 8,6.' 7*' 7;4*37*50' 2' 2/+7*,5' : 7660/' .0='7/0' 52 05603'76'6.0'0*3'2'O,*60/' 8.0*'6.0,/' 0/6, ,M76,2*',-'2?0/'7*3'6.0'7**47' -.226-'.7?0' 507-03'+/28,*+';='6.0'-1/246,*+'2'6.0'50 4 7/'6,--40'2'6.0'-6,10'2/' /2*3' .0' %&3&.3"'/' 7/0' 17/6,54 7/='4-03' 2/',: 1/2?,*+'6.0'-2,'8,6.'H.&!'"/55 8.,5.' 7;24*3-',*'0-647/,0-' .0'107-7*6-'2' /,667*='57//='6.24-7*3-'2'57/6 273-'2' 929&'7*3'[/ #8/"#/'62'1 750-' -,647603' /2 :' 680 ?0'62' ,600*' :,0-' /2 :' 6.0' -.2/0' .0' -6,10-'2'-0?0/7' / #8/"#' ';052 : 0' .2/*=' 8.0*' 3/='7*3'6.0'107-7*6-' 2'6.0' 2/6.'2' 526 7*3' : 790'9*,0' .7*3 0-'2'6.0 : '7-'6.0',*.7;,67*6-'2'6.0' 7+0 7*,5' 7*3-' _7*3' -07 0/-' 7*3' 8.7 0/-S' 32' 8,6.' 6.0' -6,10-' 2' '&&38#/' _ 60/' 4*30/+2,*+' 7' 1/250--'6.0-0' -6,10-' 7/0' : 7*4 7564/03',*' *+ 7*3',*62' 8.,1' 7*3' 9*,0' .7*3 0-'7*3' 0-105,7 =',*62';24+,0-'8.,5.' -8 0'8.0*' : 2,-60*03'7*3'6.4-'3,-60*3'210*,*+- B * S

.0'-6/4564/0'7*3'0-105,7 ='6.0' : 230' 2' /01/23456,2*'2' /=162+7 : -'8,6.246'7/5.0+2*,7'7/0' 7-' =06'-2',: 10/ 056='9*28*'6.76',6',-'2 60*'324;6 4',*'8.76'5 7--'62'1 750' 50/67,*' 2'6.0 : '7*3' 62' 305,30' 8.06.0/'6.0=';0 2*+'62' !72'5 987#5 2/'! 2% &' 6',-'6.,-',: 10/ 056' -6760' 2' / C162+7 : ,5' -5,0*50' 62' 8.,5.' ' '30C!4--,04'7 4303',*' .,-'f 0*0/7#8.0*'-1079,*+'2' 987#5 .0'-7=-@ I *50/67'73.4534 : ' 4*+2/4 : '+0*0/76,2',506'7.'74562/,;4-'30-5/,167# : 2*+-6'6.0'574-0-'8.,5.'.7?0'52*6/,;4603'62'2;-54/0' 6.,-';/7*5.'2' 267*='80' : 4-6' 0-105,7 ='7 430'62'6.0'1/0?7 0*50' 2'6.0' .7;,6',*34 +03',*' ;=' : 7*=' 746.2/-' 2'5/076,*+' 7' -105,7'*2 : 0*5 764/0'8,6.246' /0+7/3'62'6.76'2'6.0,/'1/03050--2/-J 6.0' - ,+.60-6' -6/4564/7' : 23, ,576,2*',-'*2' -22*0/'/052+*,M03'6.7*' 7' *08'60/ :',-',*?0*603' 2/',6'-2'6.76'6.0' -7 : 0' 2/+7*' .7-'/050,?03'-0?0/7''*7 : 0-' 7*3'62'733'62'6.0'52 : 1 ,576,2*'6.0'-7 : 0' *7 : 0' .7-' ;00*' 2*' -0?0/7' 2557-,2*-' 711 ,03' 62' 3, 0/0*6' 2/+7*-' .,-' /034*37*6' + 2--2 2+=' 8.,5.' 0?0*' ,**704-' 60/ : 03' 7' 57 7 : ,6='Df 0/;2-,67-'1/70-0*60'-05,,2'57 7 : ,67-'-5,0*6,:'#' .7-'7 87=-'1/2?03'7*'2;-675 0'62'6.0'1/2+/0--'2' -5,0*50' ?0*'7 : 2*+-6' .70*2+7 : N',6',-'0*24+.'62' >4260'6.0'5 7--,576,2*'2' /4,6-' 1/212-03'76'6.0' 52 : 0*50 : 0*6'2'6.,-'50*64/=';='0 :,*0*6'*764/7,-6-'7*3'8.,5.',-'*28'2/+2660*' 267*='.7-'2*+' *00303'7' /0 2/ :'7*3'7'-,: 1 , ,576,2*'2' /=162+7 :,2' + 2--2 2+='7*3' 7' -0*-,; 0' 1021 0' /052+*,M0' ,6-' *050--,6=' 3?0, 0' .7-'7 /073='6790*'6.0' 82/9',*' .7*3',*' .,-'0G50 0*6'7/6,5 0'0*6,6 03'U 2*-,30/7H 6,2*-' =52 2+,>40-' "5#J 06'4-' .210'6.76'-2 : 0' ;267*,57'1.,2-21.0/' 8, ' /0 ,0?0' /=162+7 :='2'7' *2 : 0*5 764/0'8.,5.'0*54 : ;0/-',6'7*3'8.,5.'/0*30/-',6'-2'3,6 ,54 6'62';0+,**0/-

.0' : 2-6'/0 : 7/97; 0'0G7 : 1 0'2'6.,-'7;4-0'2'7'60/ :'D;='711 =,*+',6'62' 3, 0/0*6'2/+7*-F,-' -.28*' ,*'6.0'82/3'&.3"'5 4-03',*' /=162+7 :-'7-'7*'0>4,?7 0*6'2/'6.0'&'A'2' .00*2+7 :-' *' '"8&5 M$)&'>' $/2'2'5 +/"&#1#/2''&5 "5 #6.,-'1/060*303'-003'57*'2*='; 0'52 : 17/03'8,6.'7';4 ;, '2/'/76.0/'8,6.'7' 280/' ;43'8.,5.'52*67,*-'6.0'+0/ :-'2'6.0'/01/23456,?0'2/+7*-';46'8.,5.'8, '2*='30?0 21'7*3' !3(#'"7 60/' ;0,*+'-017/7603' /2 :'6.0' : 26.0/ 1 7*6' .,-'-017/76,2*'2'6.0' /01/23456,?0'2/+7*-';='30675. : 0*6' /2 :'6.0' : 26.0/ 1 7*6' ;0 2/0' 0/6, ,M76,2*'2 0/-' -2 : 0' 7*7 2+='8,6.'6.0' 0G6/7 460/,*0' 054*376,2*'2' ,-.0-'7*3' 76/75.,7*-

%/"$&5 ,*'6.0,/' : 230'2' 054*376,2*'7*3'6.0'?0/='52 : 1 ,57603'-6/4564/0'2'6.0,/'7*6.0/,3,7'711/275.' .00*2+7 : -J 6.0'7*6.0/2M2,3' 10*06/760-',*62'6.0'-12/7*+,4 :';='6.0'2/, ,50'2''7' 52/2*, 2/ :' 2/+7*' 6.76' 4 ,-'6.0'17/6'2''7'-6,+ : 7''7*3',6' 054*3760-'7'-, : 1 0'7 : = 75024-'-12/0'8.,5.'/07 ='+0/ :,*760-'8,6.246' 2/ :,*+'7'1/26.7 4-''7-'32'6.0'-003-'2'' : 7*=' 2*2526= 032*-J ;46'6.,-'7*7 2+='-'*26'57//,03'246',*' 6.0' ?0+0676,?0'2/+7*-'6.0'0G6/0 : 0'-, : 1 ,5,6='2'8.,5.'/0-0 : ; 0-'6.76'2' 38:'"('"5 .0-0' 7660/'7/0' /01/2H 34503' 8,6.246' .7?,*+' ;00*' 054*37603' : 0/0 =';='6.0' 52*50*6/76,2*' 2'6.0'+/00*' : 7660/',*62'-12/0-' 8.,5.',*'-1,60'2'6.0,/'1280/-'2' : 26,2*' : 7='7-2';0'/0+7/303'7-';4 ;, -

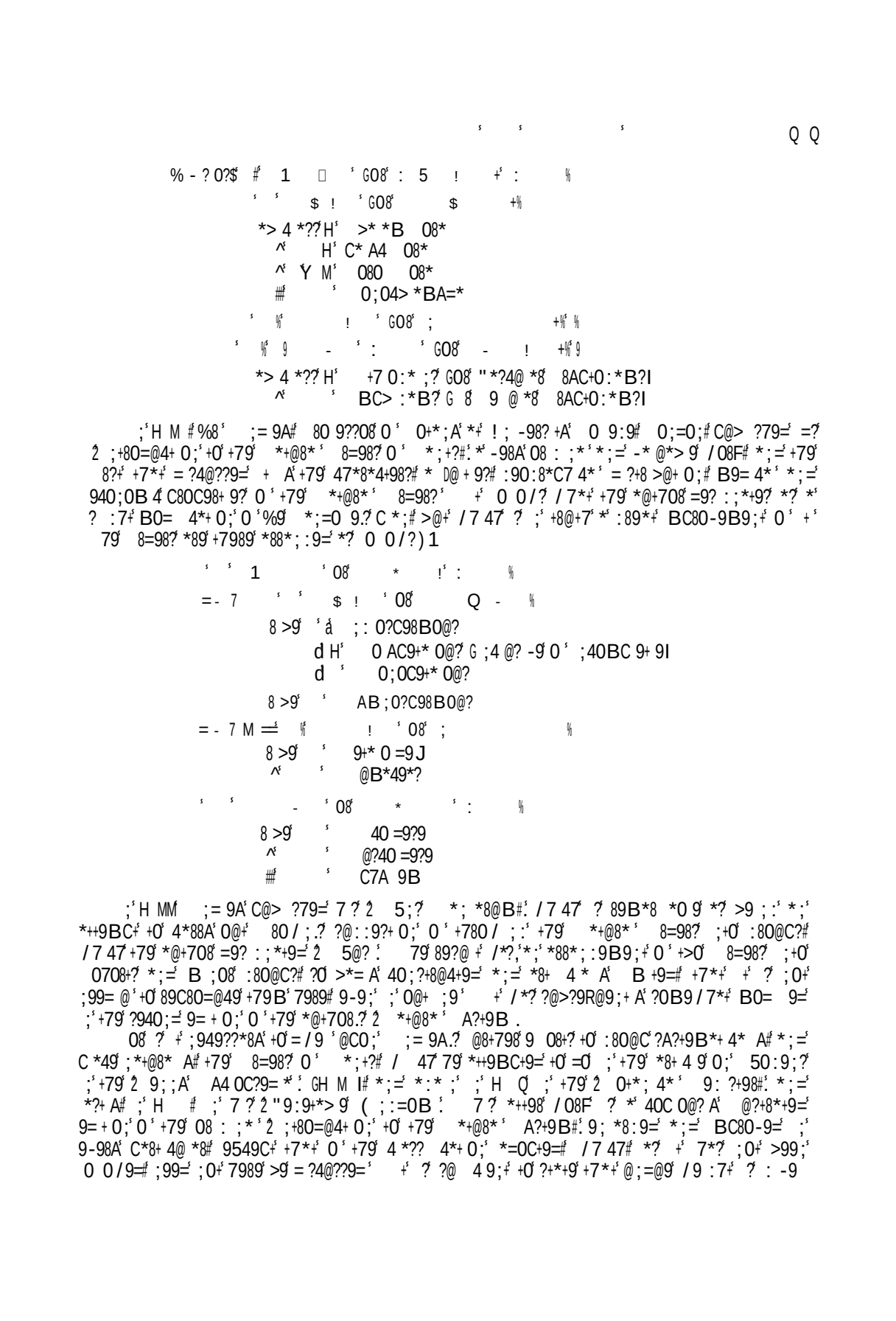
Q 3 " ' 6

*' 6.2-0' ##2/2':& 8.,5.' ,90' %/"/5 7/0' :2*205,24-'2/' 3,205,24-' 6.0' 7*6,0/2M2,3-' 756' 3,/05 J '2*' 7' 8/F')' -12/0' 7 60/' ,6' 07?0-' 6.0' -12/7*+,4 :' 7*3' 8.,5.' ,-' 6.4-' 7*7 2+24-' 62' 6.0' +0/ :,*7' ?0-,5 0' 2' 6.0' -410/,2/' 7*, :7 -' *' !3"#)'$&5 8.,5.' 7/0' :2*205,24-'2/' 3,205,24-' 6.0' 7*6.0/2M2,3-' 8.,5.' .7?0' *2' 1280/' 2' :26,2*' 0 :16=' 6.0,/' 52*60*6-'2*' 7' 64;4 7/' 2/+7.' G$"#2%37-8'4 5 7*3' 6.,-' :7660/' 7--,-6-',*' 6.0' 2/ :76,2*' 2'-0?0/7'-12/0-',*' 7' -2/6' 2 '571-4 0' D2-&$33/". 5 8.,5.' :7=' ;0' 52 :17/03' 8,6.' 7*' 7/5.0+2*,4 :' ,*7 =' ,*' 50/67,*' 987# 6.0' -12/0-' 7/0' 054*37603' ;=' 6.0' 756,2*' 2' 7' 1054 ,7/' 4,3' 1/25003,*+' /2 :'-, :10' 50 -' 8.,5.' /0-6' 2*' 6.0' 0 :70' 2/+7*' ;46' 8.,5.' .7?0' *2' 7*6.0/2M2,3-' .,-', :10/ 056' -0G47 ,6='!2,*03' 62' 6.0' -, :1,5,6=' 2' 6.0,/' -6/4564/0' 6.0' 7;-0*50' 2' +/00*' :7660/' 7*3' 6.0' 1.0*2 :0*7' 2' 6.0,/' /0-1,/76,2*' 824 3' 746.2/,M0' 4-',*' 52*-,30/,*+' 6.0 :' 7-' 60/ :,*76,*+' 6.0' ?0+067; 0' -0/,0-', ' 6.0' 1/0-0*50' 2' ?0--0 -' 52*67,*,*+' 1054 ,7/' 4,50-' 7*3' 6.0,/' ?0/=' ?7/,03' 1/2G, :760' 1/,*5,1 0-' 3,3' *26',*3,5760' 7*' 2/+7*,M76,2*' .,+.0/' 6.7*' 6.76' 2' !73d5' 8,6.' 8.,5.' *0?0/6.0 0--' 6.0=' 7/0' 52**05603' 6./24+.' 9."3!'78#'2"\' 6.0-0' ;0,*+' 6/40' 6/93%'"#/' 8,6.' *2' +/00*' :7660/' 8.,5.' .7?0' ;00*' 52*-,30/03' ;=' 0 :,*0*6';267*,-6-' *28' *-' 987#5 *28' 7-' !7/

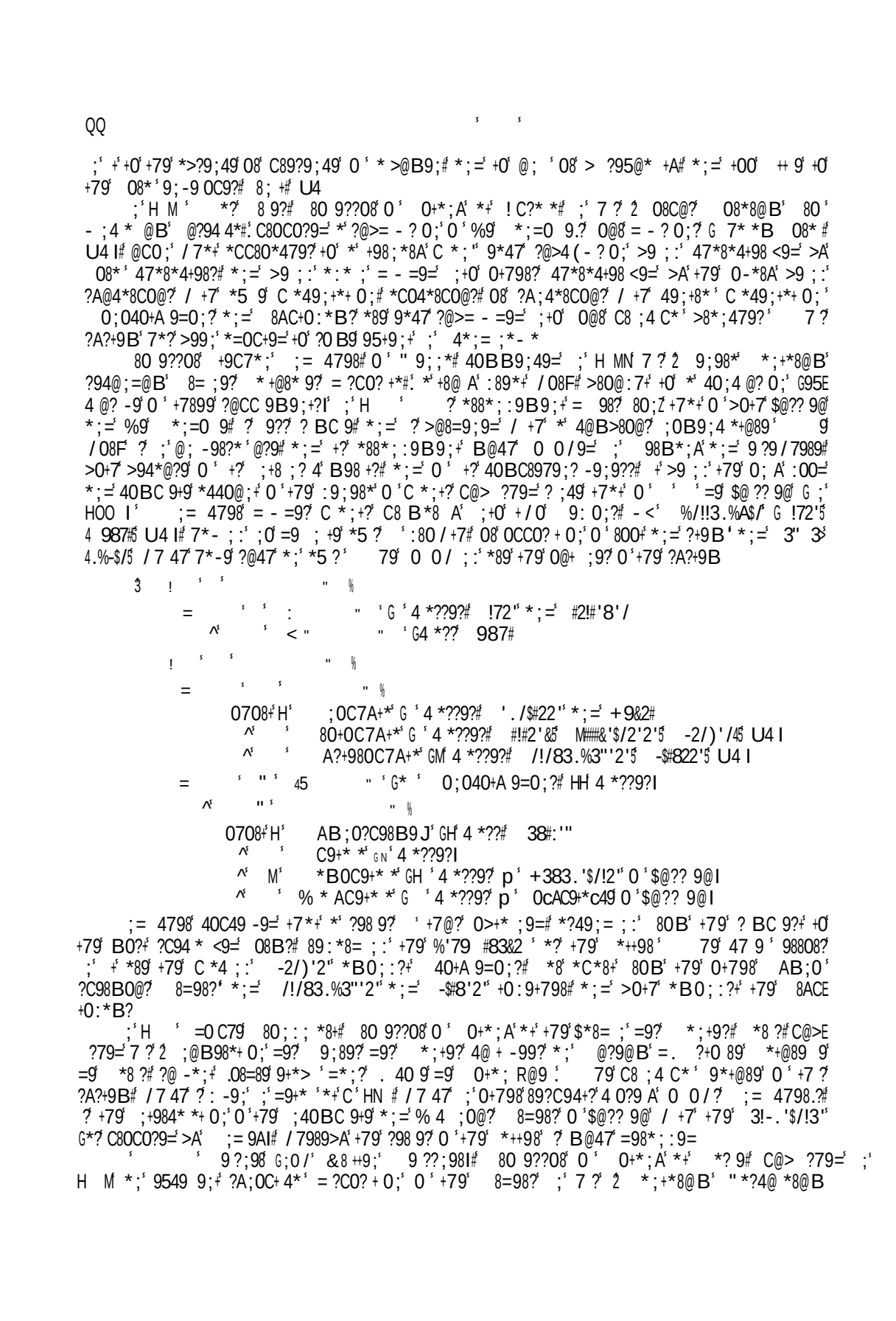
.,-' 3,?0/-,6=',*' 6.0' -6/4564/0' 7*3' 4*56,2*-'2' 6.0' /01/23456,?0' 2/+7*-'2' /=162+7 :-' 8.,5.' 80' .7?0' 0G1 7,*03' 7-' 7554/760 =' 7-' 80' 524 3' 5 07/ =' -017/760-' 6.0 :' /2 :' ./0*2+7 :-',*' 8.,5.' 6.0' 756,2*' 2' 6.0' 12 0*' 7*3' 6.0' 30?0 21 :0*6' 2' 6.0' 0 :;/=2' 7/0',*' -1,60' 2' 6.0' 12 =:2/1.,-:' 2' 6.0' 280/' -2' -6/,9,*+ =' 4*,2/ :

O.0*',*' -643=,*+' 6.2-0' 526=032*24-' 7:,0-' 2' 7117/0*6 =' 7' .,+.0/' 2/30/' 8.,5.' 6.0' ;/, ,7*6' 3,-52?0/,0-' 2' -2 :0' :230/*' 2;-0/?0/-' 60*3' /2 :'6,:0' 62' 6,:0' 62' -017/760' /2 :' /=162+7 :-' 80' ;07/' ,*' :,*3' 6.0' 1.=-,2 2+,57' /2 0' 2' 6.0' 7*6.0/2M2,3-' 7*3' M22-12/0-' 8.,5.' -00 :' ;2//2803' /2 :' 7*,:7 -' 80' 57**26';46' /052+*,M0' .0/0' 6.0' :=C-60/,24-',*9';06800*' 6.0' 682' ,*+32 :-' 8.,5.' 7/0' 3/78*' -6, ' 5 2-0/' 62+06.0/' ;=' 6.0',*6,:760' 52**056,2*' 6.76' 0G,-6-';06800*' 6.0' 14/,24-' !7/' D #/$3 '/5' 63!(32#8'2'5 /! '!!'/' 7*3' 7*,:7 -' 2' 6.0' -,:10-6' 2/+7*,M76,2*' 0*50' 6.0',*+0*,24-' 52:17/,-2*' 2' 6.0' *,:7' 7*3' 0+067; 0' *#87)3 &'62' 682' 6/00-' 2' 8.,5.' 6.0' 621-' 7/0' 7/' 717/6' 8.,0' 6.0,/' /226-',*60/ 750' J 2/' 62' 682' 5210-' 6.0' 621-' 2' 8.,5.' 7/0' 25541,03' ;=' 6.0' :2-6' 10/ 056';0,*+-' 8.,0' 6.0' 4G6712-03';7-0-' 7/0' /01/OH -0*603' ;=' 7' 52 :,*+,*+' 2',* 0/,2/' 2/+7*,-:-' ,**-04-' 0*60/67,*03' 6.0' -7:0' ?,08 7*3' 6.4-' +7?0' 0G1/0--,2*' 62',6',*' .,-' f .,2-21.,7' 267*,57#@B 764/0' 52**056-' 7*,:7 -' 7*3' 1 7*6-';=' 6.0,/' :2-6',:10/H 056'-105,0-' ' I 764/7' -25,76' 1 7*67-' 06' 7*,:7 ,7J .25' 75,0*32' *2*' 52*4056,6' 10/ 056,--,:7-' 1 7*67-' 54 :' 7*,:7 ,;4- :7G,:0',:10/ 056,-' -03',:10/ 0567' 7*,:7 ,7' 06',:10/ 0567-' 1 7*67-' 52*-25,76' 764/-0' /0+*7' 52* 4*+4*64/',*' :,*,:,-#

Q



QQ



9;98*4 994D ;=@B4 8= ;97 *+!8* 97 = :9?+*# 908@BR@9 = 989;+?9 94 * ;+*+97 +* 4; 7 = *: ;0?+ 4 7 95C0?+?9#: 0 4 / 4 4 +4 9 0 0 / ;:4 7 *4 ?F9+47

+4 % C 047 *BA=*
_4 % * AC9+* 0@7 3" 0 AC9+* 0@?
H4 7* *B 08*4 GHM 4 *??97 *;=4 O 4 08=98?I
4 * A4 08*4 GO 4 *??97 *;=4 MN 08=98?I
,,4 0*0C9+* 0@?
/4 8@ +4 ; 98 08 GM 4 *??97 *;=4 HM 08=98?I
PM4 8@ +4 ?@C98 08 G 4 4 *??97 *;=4 Q 08=98?I#
+4 $ 0;047 *BA=*4 GO 4 *??97 *;=4 NH 08=98?I
4 4 GQ 4 *??97 *;=4 M 4 08=98?I
4
4 " 4 G;0+4 =9?48 >9=I

7 7 7 B@47 +794 ?*B9 *7 +794 *;=0 9*;4 *88*;:9B9;+4 +794 C8 ;4 C*4 =9 94+7 *894) +794 ;0+4 8940:;<;:4 +794 AB;0?C98B0@7 = - ? 0;4 9549C4 *7 *4 = - ? 0;4 0 4 0;047 *BA=?4 *;=4 +794 89+9;+ 0;4 0 4 ;= 9A.7 *@ +A4 4 *?? 0 4 +7 <*;+7?# / 7 47 794 @8+798 C *497 ;4 0;0E 40+A 9=0;?
=8 9;4=9 $@?? 9@# 80 9??08 0 4 *;+4 @ +@89 *+4+794 $*8= @ =97 *;+9?# ?0;4 0 4 ;+0 ;9 4 *@89;+# C@> ?79=4 ;4 H 4*4 B0= 4*+ 0;4 0 4 7 7 *+798.7 *88*;:9B9;+# / 7 47 7 B@47 @?9=4 ;4 8*;49# *;=4 7 @8+798 B0= 9=4 *+4 C# HNO 0 4+7 7 / 08F4 +4 89:*8=7 +794 AB;0?C98B7 *7 *4 C8 B*8A4 = - ? 0;4 0 4 % 40+A 9=0;?# 89+* ;7 7 <*;+7?# 4 *?? ;:4 +79 B4 @;=98 ;:0?C98B0@7 % 40+A 9=0;?# *;=4 >8 ;:7 +794 % 4 ;97 ;+0 D@5+*C0?+0;4 / +7 +794 C9+* ?9
"*8 0@7 0+798 B9+70=7 *;=4 ?A?+9B7 7*-94 >99;4 C80C0?9=# B0?4 0 4 / 7 47 7*-94 ;9-98 >99;4 *=0C+9=4 >A4 *;A4 0;9# *;=4 >@+4 9 / 9-9;4 >A4 +79 8 C80C0?98?4 0;94 *894 0 4 ?@ 09;+4 BC08+*;494 +0 B98 4 =?4@?? 0;4 7989# +70@:7 B*;A4 :004 ?@::9?+ 0;? B*A4 >94 0>+* ;94 80B4 +79 8 ?+@=A4 4 ?+4 0 4 +79B4 / 4 >94 0@;=4 ;4 ;=9A.7 2 "9:9+*> 94 (;:=0++ #:4 ;=4 9= + # C@> ?79=4 ;4 H 0
4 89-9/4 0 4 +794 089:0;:4 ?479B9? 9?+*> ?79? +794 0 0 / ;:4 C80C0? + 0;? 794 C8 B*8AL= - ? 0;4 0 4 "9:9+*> 9? 7 ;+0 7?9;0:*B? *;=4 8AC+0:*B?' 1+7*+4 0 4 7?9;0:*B? 7 ;+0 % 40+A 9=0;? *;=4 0;040+A 9=0;?'1+7*+4 0 4 % 40+A 9=0;? 7 ;+0 ;:0?C98B? *;=4 AB;0?C98B?'1+7*+4 0 4 8AC+0:*B? 7 ;+0 480:9;? G 08+79 B0?+4 C*8+4 -*?4@ *8I* *;=4 7* 4 0:9;? GO8 C@89 A49 @ *8I' * ?0 +7*+4 ++9 C98 *;+7 B@?+4 >9 89?08+9=4 +0 08 +79 C@8C0?9 0 4 @8+798 :80@C ;:4 +794 ;:0?C98B0@? % 40+A 9=0;? *;=4 +794 0;040+A 9=0;?4 9A0;=4 +7 ?# 9549C4 ;4 +794 4*?9 0 4 8AC+0:*B?# +4 ? = 9@ +4 +0 9?+*> ?7 *;A4 ?@>= - ? 0;? 7 :798 +7*;4 +7*+4 0 4 8=98?' *;=4 0 4 +794 ;9;0:*B0@? 8=98? +79B?9 -9?# +4 ? *?+0; ?7 ;4 70 / 9 / *89 *>?0 @+9 A4 B +9=4 4 +794 0 4 =9?48 >9=4 ;4 +7 ? / 08F# 954 @= ;4 +70?9 40;+* ;:4 0; A4 0;9 08 + / 0 :9;98*# *4 *8:9 C8OC08+ 0;4 9 +798 *89 40;;94+9=4 / +7 0;9 08 B0899 +798? >A4 *4 ?98 9? 0 4 ;+98B9= *+9 :9;98*# 08 40;+* ;4 :9;98*4 / 7 47 C89?9;4 ?0 B*;A4 0 4 +79 47*8*4+98? 0 4 0+798 8=98?# +7*+4 4 ? * +0:9+798 @;498+* ;4 ;4 / 7 47 0 4 +79B4 +79A4 ?70@ =4 >9 C *49=4) ?@47 =0 ;0+4 0> :9 @?4 +0 @; +9 +794 8=98? >9+ / 99;4 / 7 47 +79A4 0?4 *+9# >@+4 +79A4 89;=98 -*:@9 +79 =9 ; +0;4 0 4 +7*+4 ;4 / 7 47 +79A4 *89 C *49=4 & +7 8AC+0:*B? +79 4*?9 ? -98A4 = 989;+4 +79 C8 ;4 C*4 8=98? *;=4 7 :798 :80@C? 0 4 +79 "*?4@ *8 = - ? 0;4 *89 40BC*8*+ -9 A / 9 4 B +9=# *;=4 +4 ? 0; A4 +79 9 @ *8 / 70?9 08= ;*4 B +? *89 @;=9 ;9=4 ;=4 0+4 0; A4 *89 +79 8=98? 0 4 8AC+0:*B? *8 >9++98 B +9=# >@+4 B*;A4 0 4 +79B4 *89 *8 B089 40BC8979;

? -9# *? 987# *;= !7 5 9*4 ' 0 'Y/ 4 ' ?= - ?>9 ;+0 +8 >9? BO89 =?+ ;4+ 0;' +>9 />0 9 G/>9+>08 ?+8 4+ A B +9=' 08 ;0+I' +7*;' *89 BO?+' * 9=' 8=98? 0 ' 7?9;0:*B? 80B' 0;9 *;0+798 ' ;' 0+798 /08=?# +79 8=98? 0 ' 8AC+0:*B? *;=' 709;0:*B? 7*-9 -98A' = 989;+ *>?0 @+9 *;=' 89 *+ -9 -* @9?

0 ; % 1 ;'+79 4 *?? 4*+ 0;' 0 '+79?9# +79 +7899 0 0/ ;:'?+8@4+@8* ' 47*8*4+98? 7*-9 >99;' 89:*8=9=' *? 0 ' C8 B*8A' BCO8+*;49 ' H' 79 89 *+ 0;? 0 ' +79 08* ' 9;-9 0C9? +0 0;9 *;0+798 *;=' +0 +79 0-*8A# >A' $@?? 9@ G 0 0/9=' >A' 8 9?I# /70 = - =9=' +79B' ;+0 9C:A;0@?# 7AC0:A;0@? *;=' C98 :A;0@?# ;' 40; 08B +A' / +7 7?= - ?0;' 0 ' % 40+A 9=0;? G?9 C' HN I' ' 79 C89?9;49 08 *>?9;49 0 ' 08* ' 9;-9 0C9?# *;=' +79 8 ;*+@89 ' /79;49 08 :;*+9=' +79 9+* 0 =' *;=' @B*490@? = - ?0;? 0 ' ;=0A' G?@>?9R@9;+ A' B0= 9=' ;' 7? 2 5@?.I' M' 79 C89?9;49 08 *>?9;49 *;=' ;*+@89 0 ' +79 * >@B9;# *? C8OC0?9=' >A' 80;:;*8+' ;' BCO8+*;+' ?@>? = *8A' 47*8*4+98# =98 -9=' 80B' +79 CO? +0;' 0 ' +79 9B>8AO# /79+798 9;4 0?9=' ;' 08 95+98;*' +0 +79 * >@B9;# ?* ?0 0 ' :89*+' BCO8+*;49

;' +79 4 *?? 4*+ 0;' ' 7*-9 C8OC0?9=# '+79 :89*+9?+' BCO8+*;49 ? :-9;' +0 $@?? 9@.? 47*8*4+98 0 '+79 *=79? 0;' 08 ;0+' 0 ' +79 C98 *;+7 +0 +79 0-*8A' ' +7 ? *CC9*8 ;:' +0 * 08=' +79 B9*;? 0 '?@>=- =;:'+79 0;040+A 9=0;? ;+0 +/0 ?98 9? >9++98 +7*;' =09? *;A' 0+798 ?;:9 47*8*4+98# 08 40B> ;*+ 0;' 0 ' 47*8*4+98? ' 79 9549C+ 0;? *89 9/# *;=' +79 +AC 4* ' 8=98? / +7 ; 98 08 C98 *;+7 *89# 0;' +79 /70 9# BO89 4 0?9 A' * 9=' +0 0;9 *;0+798 +7*;' +0 *;A' ;' +79 ?98 9? / +7 *6 ; 98 08 C98 *;+7 ' >@+' +79 47*8*4+98 0 ' C98 :A; ? ;' *;=' 7AC0:A; ?B' =09? ;0+' *;?/98 08 C8 B*8A' = - ?0;?

7 d = ?CO? +0;' 0 ' +79 0;040+A 9=0;? *CC9*8? +0 0 0/' *' ? BC 9 ?98 9?# =9?49;= ;:' 80B' +79 8=98? BO?+' 40BC 95' ;' ?+8@4+@89 DA "2%)'"'5 U0 I' +0 +70?9 BO?+' ? BC 9 DA $/ #8'3 ' ' +79 C8 ;4 C*' 9549C+ 0;? *89 +79 ;40BC 9+9 0/989=' 8=98?# .3837'$2" *;=' /#/)'2'5 /747 *89 0>-0@? A' 89=@49=' !#& /2'2'5 *;=' ' 8/2'2' *;=' -.!#/3' 5 /747 *89 0>-0@? A' 40?9 A' * 9=' +0 "3#)'2'

$! - ' . 5 $' C8*4+4*> 9 ;9*8 4 *?? 4*+ 0;' 0 ' +79 8=98? 0 ' +7 ?= - ?0;# /747 ?7* ' * ?0 >9 ;*+@8* # 7*?;0+ 7 +798+0 >99;' C8OC0?9=# ;08 ? + F9 A' å+7*+ + ? *++*;*> 9 ;' ;'+79 8?+ C *49# + #& ;0+ ?0 0>-0@? ;' /7*+ *' 7 :7 +AC9 0 ' ?+8@4+@89 40;? ?+?' *;=' ;' +79 ;95+ C *49# ?0 B*;A' 0 ' +79 8=98? 40;+* ;' >0+7 7 :7 *;=' 0/ +AC9?# *;=' ;' ?@47 -*8 0@? C8OC08+ 0;?# +7*+ + ? BCO?? > 9 +0 9?+*> ?7 *' +*> 9 0 ' C8949E =9;49 08 +79B' %? *;=0 9 ?@:: 9?+9=' +7*+ C *;+? /70?9 0/98? 7*=' +>9 :89*+9?+;@B>98 0 ' =?+ ;4+ *;=' ?9C*8*+9 08:*;? ?70@ =' 79*=' +79 ?98 9?# ;*B9 A# +70?9 / +7 798B*C780= +9 CO AC9+* 0@? 0/98?# 7*- ;:'*C04*8CO@? 0-*8 9?# *;=' +7*+ @; ?95@*' C *;+? / +7 ;40BC 9+9 C98 *;+7? 08 ;0;9 ?70@ =' +98B ;*+9 +

@4499= ;:'*@+708 +9? 7;-9 0;? =989=' =9C*8+@89 80B' +79 C8 B + -9 40;=+0;' 0 ' +79 08*' /708 ? G89:*8=9=' *? 0 *8 08:*;?I' *? 9- =9;49 0 ' 7 :7 +AC9# *;=' 40;?9R@9;+ A' +7*+ C *;+? / +7 40;?0 =*+9=' 08*' 8:*;? ?70@ =' 79*=' +79 ?98 9? ' C *4 ;' 0;0C9+* 09 >9 089 0 AC9+* ?9# *;=' 0;0C9+* B' / +7 +79 4* A5 +@>9 *;=' 0-*8A' 40;?0 =*+9=' G9C:A;0@? 0;0 C9+* 49 >9 089 +70?9 ;' /747 +79 0-*8A' ? 899 ' +7*?@8+798 >99;' 79 =' +7*+' *' 0/98 ;' /747 B*;A' ?@47 40;?0 =*+9=' 08:*;? *89 ?@>? = *8A' +0 +79 C98 94+ ;:' 0 ' 0;9 ?99=' ? 0 ' * 7 :798 +AC9 +7*;' 0;9 ;' /747 *? B*;A' 08:*;? *89 ?@>? = *8A' +0 +79 C98 94+ ;:' 0 ' B*;A' ?99=?# *;=' +7*+ 3 .3& 5 >A' ?*+ ? A ;:' +79 8?+ 0 ' +79?9 40;='0 0;? BO89 ;9*8 A' +7*;' *;A' 0+798 8=98# ?70@ =' 79;49 79*=' +79 ?98 9?

&7*+9-98 +79 = 989;49 0 ' 0C ;0;' *? +0 +79 -* @9 0 '4079? 0;' 0 ' +79 C9+* ?# +7*+' ?# 0 ' BO;0C9+* ?B' ;' 40;+8*= ?+ ;4+ 0;' +0 CO AC9+* ?B# *? 9- =9;49 0 ' 7 :7 08 0/' +AC9 0 ' ?+8@4+@89# +798 ? ;0;9 *? +0 +? -* @9 *? *;' ;=95 0 ' * ; +A' ' +79 0;0C9+* 0@? 8=98? >9 ;:' ;=?C@+*> A' BO89 ;9*8 A' 89 *+9=' ;' +79 /70 9 +0 0;9 *;0+798 +7*;' +79A' *89 +0 +79 0 AC9+* 0@?' +' ? -98A' = 989;+ /+7 +79 8=98? 0 ' $@?? 9@.? *;=' %9 *;=0 9.? +7 8=

:89*ʵ : .0+ C 0 ʻ ; : 0?C98B0@?ʼ % 40+A 9=0;?ʵ +79ʵ C40;ɒC 9+9 0 / 989=ʵ 08ʵ % 4 ;0@?ʻ 79?9ʵ
0;? ?ʵ ;ʻ :89*ʵ C*8ʵ 0 ʻ 8=98?ʼ ;87 47ʼ *89ʵ B*; 9?+ Aʻ-98Aʻ;9*8ʵ * 9?ʼ 0 ʻ 0 AC9+* 0@ ʻ 8=98?ʵ
*;=ʵ ;ʻ C*8ʵ 0 ʻ 8=98?ʼ 08ʵ :80@C?ʼ 0 ʻ 8=98?ʼ +7*ʵ 7*-9ʵ ;0ʼ 8940:; <9=ʵ 4 0?9ʵ * 7; +A / +7ʵ *;Aʻ
;ʻ 9 +798ʵ 0;0C9+* ?9ʵ 08ʵ 0 AC9+* ?9ʵ *;=ʵ +79ʵ *4ʵ 0 ʻ +79ʵ C89?9;49ʵ 08ʵ *>?9;49ʵ 0 ʻ 08*ʻ
9;-9 0C9?ʼ >9 ;ʻ ;ʼC0? + -9ʵ C800 ʻ 0 ʻ* ; +Aʵ 7*?ʼ 9=ʵ +0ʼ +79ʵ *>*;=0;B9;ʵ 0 ʻ +79ʵ ;4 BC 9+9 ʻ
0 / 989=ʵ = - ? 0;ʻ >Aʻ 80;:; *8ʵ *;=ʵ 0+798ʵ ?A?+9B*+ ?+?ʵ *;=ʵ +79ʵ = ?C98? 0;ʻ 0 ʻ +?ʵB9B>98?ʼ
B0;:?ʵ +79ʵ 0 AC9+ ?9ʵ *;=ʵ 0;0C9+* 49ʵ :; =9=ʵ >Aʻ* ; +Aʵ / 79;ʻ +7*ʵ ? F;0 / ;ʵ *;=ʵ >Aʻ
; 0:Aʻ ;ʻ 0+798ʵ 4*?9?ʻ 0ʼ Bʵ ʵ *CC9*8?ʼ +7*+ʻ ! ;=98ʵ *ʻ 4 *?? 4*+08Aʻ C0 ;ʵ 0 ʻ - 9 / ʵ +79ʵ
=0C+ 0;ʻ 0 ʻ;ʻ ;40BC 9+9ʵ = - ? 0;ʻ 4*;;0ʵ >9ʵ *-0 =9=ʖ 8?+ Aʵ >94*@?9ʵ ʵ 40;+* ;?ʼ ?0ʼ B*;Aʻ
;*+@8*ʻ*;=ʵ / 9 9?+*> ?79=ʵ 4070 8+?ʼ +7*ʵ 7*-9ʵ ;ʻ 8940:; <9=ʵ * ; +Aʻ / +7ʼ *;Aʻ*B0;:?ʵ
9 +798ʵ 0 AC9+* *?ʼ 08ʵ 0;0C9+*+9ʷ*;=ʵ ?940;=Aʵ >94*@?9ʵ ʵ 40;+* ;?ʼ ?0ʼ B*;Aʻ / 7 47ʵ +70@:7ʵ
4 0?9 Aʻ* 9=ʵ +0ʼ 0+798?ʼ *B0;:?ʵ 0 AC9+* ?9ʵ 4 @=ʵ ;0ʵ 79ʵ ;+984* *+9=ʵ *B0;:?ʵ +79?9ʵ / +7E
0@ʵ = ?+@8> ;ʻ:ʵ +79 8ʼ ?9R@9;49ʵ +7@?ʼ ?@;=98 ;ʻ: 8=98?ʼ +7*ʵ ?70@ =ʵ ?+*;=ʵ ;ʵ 40;+ :@ +A
79ʵ ?@>= - ? 0;ʻ 0 ʻ +79ʵ 0 AC9+* 0@?ʼ % 40+A 9=0;?ʼ >Aʻ $@?? 9@ʵ *;=ʵ %9ʵ *;=0 9ʵ ;+0ʼ
AC0:A;0@?ʵ 98 :A;0@?ʵ *;=ʵ C :A;0@?ʵ 7*?ʼ >99;ʵ >Aʻ B*;Aʻ*@+708?ʼ 0>D94+9=ʵ +0ʼ *?ʼ *8+ E
4 *ʻ ' >@ʵ ʻ +7 ;Fʻ ʵ 4*;;0ʵ >9ʵ =0@>+9=ʵ +7*ʵ +79ʵ 47*8*4+98?ʼ ;= 4*+9=ʵ >Aʻ +79?9ʵ +98B?ʼ *89ʵ
:@ =9?ʼ +0ʼ * ; +Aʵ *;=ʵ +7*+ʵ 9549C+ 0;?ʼ ;0+ / +7?+*;= ;:ʵ +7989ʵ ?ʼ *ʻ 8940:; <*> 9ʵ +70@:7ʵ
0 +9;ʵ = ?+08+9=ʵ ?9R@9;49ʵ 0 ʻ 8=98?ʼ 80B?ʼ 7AC0:A;0@?ʼ >A/89829!/2'2'ʷ +0ʼ C98 :A;0@?ʼ '79>ʵ
#83& 5*;=ʵ 80Bʻ +79?9ʵ *:* ;ʵ +0ʼ 9C :A;0@?ʼ "/!#/3'2'5 &7 47ʼ ;= ?C@+*> Aʻ 9?+*> ?7ʼ *ʻ = 894ʵ
C*??*:9ʵ +0ʼ +79ʵ 9C :A;0@?ʼ 0; C9+* Bʻ 79ʵ :89*ʵ 0>?+*4 9ʵ +0ʼ +79ʵ 8940:; + 0;ʻ 0 ʻ +79ʵ
7* *B 08*ʻ*;=ʵ * A4 08*ʻ?98 9?ʵ 9?ʼ ;ʵ +79ʵ *4ʵ +7*ʵ GC@++ ;:ʵ*? =9ʵ +79ʵ B*;Aʻ 4*?9?ʼ 0 ʻ
7AC0:A;0@?ʼ 8=98?ʼ 40;+* ;;:ʵ C98 :A;0@?ʼ :9;98*Iʵ +7989ʵ *89ʵ B*;Aʻ 8=98?ʼ 0 ʻ / 7 47ʼ +ʵ ?ʼ
= 4@ʵ +0ʼ ?*Aʻ +0ʼ / 7 47ʼ +79Aʻ >9 0;:ʻ 7@?ʼ 80;:; *8ʵ 89:*8=?ʼ *?ʼ 7AC0:A;0@?ʼ 8/2/")#'2'5
388/"/2'2'5 9"&'"/''2.5 /8)ʻ '!3&$"#8'2'5 &)! 0 ʻ / 7 47ʼ *89ʵ 89:*8=9=ʵ *?ʼ C98 :A;0@?ʼ >Aʻ %9ʵ
*;=0 9ʵ *;=ʵ *?ʼ C98 :A;0@?ʼ /'"# 3.%-!!A5 !/$# ''5 *;=ʵ !/3#8'3'5 / 7 47ʼ %9ʵ *;=0 9ʵ
*;=ʵ ;=9A89:*8=ʵ *?ʼ 7AC0:A;0@?ʻ 0ʼ 89=@49ʵ +7 ?ʼ = 4@+Aʵ 8ʻ 9;+7*Bʻ*;=ʵ ʵ 0>E
?98-;:ʵ+7*ʵ *ʻ 7 :7 Aʻ =9-9 0C9=ʵ ?+*8; ! 980@?ʼ = ?Fʻ C89-* 9=ʵ ;ʵ +79ʵ 8=98?ʼ +7*ʵ ;+98-9;9=ʵ
>9+ / 99;ʵ +79ʵ B*; 9?+ Aʻ C98 :A;0@?ʼ *;=7AC0:A;0@?ʼ 8=98?ʵ 0 94+9=ʵ +79Bʻ;+0ʼ *ʻ= - ? 0;ʻ 0 ʻ
0 AC9+* ? ʵ 4* 9=ʵ 98 9?ʼ %?4 08 ʻ ;ʻ=0;;ʻ+7 ?ʵ /9 ==ʵ ;0ʵ 00Fʻ ;ʵ +79ʵ = ?Fʻ*?ʼ*ʻ C800 ʻ
0 ʻ* ; +Aʵ @ʵ +0ʼ *?ʼ *ʻ :@=9ʵ +0ʼ +7*ʵ *B0@;ʵ 0 ʻ* ; +Aʻ / 7 47ʼ 498+* ; Aʻ 95 ?+?ʼ >9+ / 99;ʵ
+79ʵ 8=98?ʼ ;4 @=9=ʵ @;=98ʵ +7*ʵ 98 9?

ʵ 89B* ;?ʼ +0ʼ ?*Aʻ*ʻ 9 / ʻ / 08=?ʼ 0;ʵ +79ʵ ?9R@9;49ʵ 0 ʻ % 40+A 9=0;0@?ʼ 8=98?ʼ 798ʵ *=0C+9=ʻ
7*ʵ *ʻ ;9*8ʵ *;=ʵ *ʵ +79ʵ ?*Bʵ + Bʵ ;*+@8*ʻ ?9R@9;49ʵ ?ʼ @;*++* ;*> 9ʵ ?ʼ 40;49=9=ʵ >Aʻ* ʻ
C7 0?0C7 4*ʻ ?A?+9B*+ ?+?ʻ ʵ ?ʼ @8+798ʵ ʻ +7 ;Fʵ 9?+*> ?79=ʵ +7*ʵ +79ʵ 0;0C9+* ?9ʵ 957 > ʵ
+79ʵ :89*+9?ʵ =9C*8+@89ʵ 80Bʻ +79ʵ B*:;*8Aʻ C8 B + -9ʵ +ACʵ 0 ʻ +79ʵ % 40+A 9=0;0@?ʼ 0 / 98ʵ *;=ʵ
+7*ʵ +79Aʻ ?70@ =ʵ ;ʻ C89 989;49ʵ +0ʼ 0 AC9+* 99ʵ 79*=ʵ *ʻ ?A?+9Bʻ 0@;=9=ʵ 0;ʻ +7 ?ʼ 40;? =98*+ 0;
@ʵ ʻ 0;0C9+* ?9ʵ >9ʵ 470?9;ʵ +0ʼ 79*=ʵ +79ʵ % 40+A 9=0;?ʵ 3 .3&#$2ʻ ?70@ =ʵ 9*=ʵ 0 ʵ
0 0 / 9=ʵ >Aʻ 6 /!''"#/8'29 5' 9%#/2'2'5 *;=ʵ /."#:3!#/2'2 5ʵ 8=98?ʼ +7*ʵ 9?+*> ?7ʼ +79ʵ C*??*:9ʵ +0ʼ
9C :A;0@?ʼ 0 AC9+* ?9ʵ @;=98ʵ / 7 47ʼ *88*;:9B9;+ʵ /."#:3!#/2'2 5ʵ U4ʵ ;?+9*=ʵ 0ʻ 9*= ;:ʻ +0ʼ
3"8'2'ʻ *;=ʵ +79ʵ 0+798ʵ 0 AC9+* ?9ʵ /0@ =ʵ >9ʵ 0 0 / 9=ʵ >Aʻ +79ʵ *BC*;*ʻ 0708+ʵ *ʻ :80@C
B089ʵ 4 0?9 Aʻ * 9=ʵ +0ʼ 3 .3&#$2 ʻ +7*;ʻ *89ʵ 9%#/''2'5 Uʻ 7?ʼ ?@::9?+?ʼ +79ʵ 95C9=9;4Aʻ
0 ʻ 0 0 / ;:ʻ %9ʵ *;=0 9ʵ ;ʻ C*4;:ʻ +79ʵ 9C :A;0@?ʼ 0;0C9+* ??ʼ ;ʻ +79ʵ B==9ʵ 0 ʻ +79ʵ
% 40+A 9=0;?ʵ >9:;;;:ʻ / +7ʼ 6 /!''"#/8'2'5 #+%#/''3'5 *;=ʵ /."#:3!#/2'2 5ʵ / 7 47ʼ 9*=ʵ +0ʼ +79

Cʼ 017/76,2*ʵ 2'6.0ʼ -0G0-'8.,5.',*'6.0ʼ *,:7'ʻ ,*+H ,*ʵ 1 7*6-ʵ 6.0ʼ 6/7*-:,--,2*ʵ 2'6.0ʼ -10/:50'ʻ 2/'
32:',-ʵ4*,?0/-7'7:2*+-6 6.0ʼ .,+.0/'+/241-ʵ,-ʵ,*'6.0ʼ 7,6.0/2M2,3'ʻ 62ʼ 6.0ʼ 1,-6,'ʻ 2/'ʻ +0/:50'ʻ ,-ʵ 3,/056=ʵ
0+067;0ʼ ,*+32:'*2ʼ ,*3,576,2*ʵ 2'7ʼ .,+.'2/'28ʼ ;/24+.6 7;246ʼ ;=ʵ 0G60/*7'7+0*5,0-'7*3'*26ʼ ;=ʵ 6.0'ʻ
30?0 21:0*6J 7*3ʼ ,-ʵ 7ʼ 7 75,24-ʵ +4,30ʼ 62ʼ 7 ,*,6=ʵ -12*67*024-ʵ 756,2*ʵ 2'6.0ʼ ,*3,?,347'2'0,6.0/'-0G
.,-ʵ ,-ʵ *2ʼ 324;6'ʻ 52**0560 3ʼ 8,6.'6.0ʼ 756'6.76

QQ ' ' ' ' G ' ' % I

C :A;0@?' 0 AC9+* # *;=' 9;= ;:' / +7' 33):$8#'$'5 / ./)/2'#%5 *;=' /"2#8#29'5 /7 47' 9*=' +0' +79' 7AC0:A;0;?' 0;0C9+* 89

0;+ ;@ ;:' +79' 0;0C9+* 0;?' 98 9?# +?' ?@449?? -9' 0708+?' ?99B' +0' 0 0 /' *' * 8 A' ;*+@8*' ?9R@9;49# +98B ;*+ ;:' *>8@C+ A' / +7' [/,#/$"'5 *;=' 0 0/9=' >A' +79' ;40BC 9+9# / +7' -2$/7#8' 5 /70?9' C98 *;+7' ?' C9+* 0 =' *;=' :*B0C7A 0@?# *+' +79 8' 79*=' 79' ;40BC 9+9' 98 9?' *:* ;' 957 > +?' *' ?@449?? 0;' 0 ' 9??' *;=' 9?? ?C94 * <9=' 08*' 08:*;?# ;* A' *CC80*47E ;:' ;' ? BC 4 +A' +0' +70?9' 0 ' AB;0?C98B?# /7 47' @;=0@>+9= A' =0?9' +79' % 40+A 9=0;0;?' *?C

0BB9;4 ;:' *:* ;' / +7' 3#8.3&#$225 *;=' C80499= ;:' ;' +79' 0+798' = 894+ 0;# +780@:7' +79' 9C :A!0@?' 0 AC9+* J# +0' +79' C98 :A;0;?' *;=' 7AC0:A;0@?' 8=98?# +79' ?@449?? 0;' 0 ' 0708+?' +98B ;*+ ;:' / +7' +79' *;*' ?' ;0+' @;;*+@8*

;' +79?9' :80@;=?' ' *B' = ?C0?9=' +0' *CC80-9' 0 ' +79' ?9R@9;49' *=0C+9=' >A' %9' *;=0 9# /7 47' C *49?' 0;0C9+* J' ;' +79' 49;+89' 0 ' +79' ?98 9?# *;F9=' 0;' 9 +798' 7*;=' >A' 0 AC9+ 9' *;=' ;40BC 9+J# /7 47' +/0' *++98# *?' 89B* F9=' *>0-9# 7*-9' B*;A' 480??' * ;+9?# >@+' 7*-9' 9/' * ;+9?' 0 ' 40;?9R@9;49' / +7' 0;0C9+* J ' 79' 0708+?' B*A' +7@?' >9' *;4 @ A' F9;9=' +0' +79' C*8+ 40 0@89=' >9*=?' 0 ' *' ;94F *49# D0 ;9=' >A' *' 4 *?C# +79' >9*=?' +0@47;:' *+' ? B *8 A' 40 0@89=' C0 ;+?' 0 ' +79 8' ?@8 *49?' 79' C0?+0;' 0 ' 9*47' >9*=' ;' +79' ;94F *49' ?' =9+98B ;9=' >A' +79' C89=0B ;*;49' 0 ' 40 0@8?' 40B B0;' +0' +?9 ' *;=' +70?9;9*89?+' +0' +' /7 ?+:' +79' ;@B>98' *;=' C80C08+ 0;' 0 ' +79' 0+798' 40 0@8?' /7 47' 9*47' >9*=' C89?9;+?# ;=4*+9?' +?' 4 * B?' +0' >9' C *49=' 9?9/798' ;' +79' ;94F *49' ;'0+798' /08=?# ?@47' 40 0@8?' 89E C89?9;+' +79' 4+0??' * ;+9?' /7 47' +79' 0708+?' =?C *A' /7'0+ 98?' 89B0+9' 80B' +79' C0?+0;+79A' 044@CA

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+9B# /79;'C989;;* # @8; ?79=' / +7 *' C +7# ?@880@;=9=' >A' 40;49;+8 4 *A987 0 '/00=#' *;=' +7*+' >A' *' ?9C*8*> 9 >*8F' 9*-97 / +7 @?@* A' ;9++9=' -9;*+ 0;' 08*'/708 7 @?@* A' ;' 0@87 08 -9?# 08 B@ + C 97 0 '+707 9 ;@B>98?' B>8A0 / +7 +/0 G?0B9+ B97 -+B*+ '' 40+A 9=0;?' ;' :98B ;*+ 0;'+79 8*= 4 9 9;:+79;?# *;=' 08F7 08 >8*;479?

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-@ 97 C80=@49=' ;' *' 4 0?9=' 0-*8A# 98+ <9=' >A' +>9 C0 9; +@>9 +8*-98?;:' *' ?+ :B*+ 4' + ??@9 +0 89*47 +79 4*- +A' 0 '+79 0-*8A# *;=' 79;9R' +79 9B>A80 ?*4' 0 '+79 0-@ 9

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0/98? / +7 >0+7 *' 4* A5 *;=' *' 4080 *# +79 *++98 0 '?9C*8*+9 C9+* ?# G 99 * ?0 +79 9549C+ 0;7 +0 0;0C9+* 0@?# C' H # *;=' C9+* 0@?# C' H H # % - ? 0;? I

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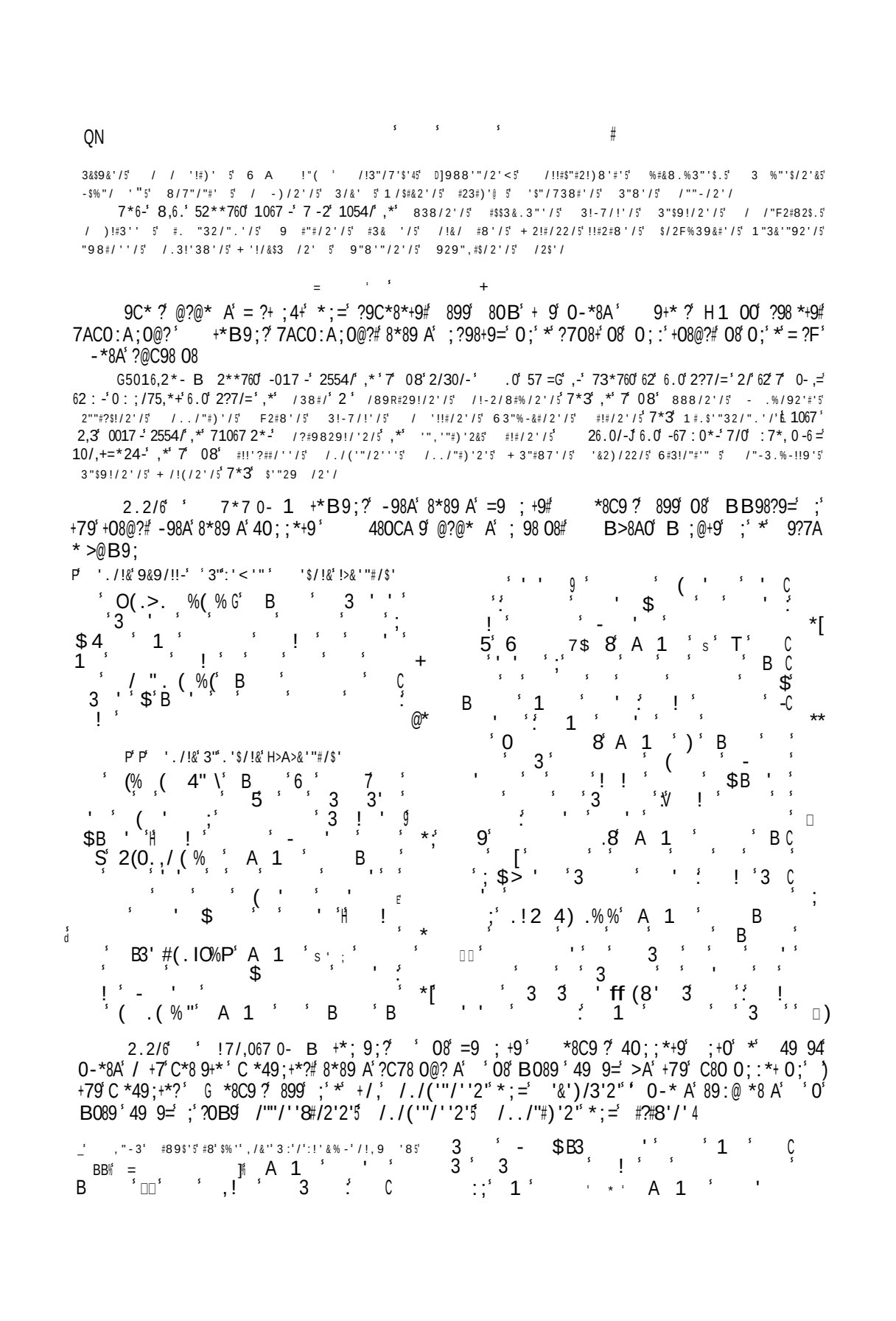

' %' % ' G ' ' % I Y$'

8 *;

67 : 0*-' 22' /00' ?7/=' 50 C03J 1 750*67-' _F7/,067 B 0/;-' /7/0 =' -./4;-' 8,6.' 7 60/' 7760' 07?0-' 7*3' :, 9=' 4,50' ' ' ġ ' ' T % N?' 0 - ! ' 280/-' ,//0+4 7/ 67 : 0*-' ',*' 682' ;4*3 0-' /760 =' %' /00' ?7/=' 50 03J 1 750*67-' 17/,067 B 0/;-' ,/056' 2/' 5 ,6*;,*+' J 07?0-' 7 60/*760' -47 =' * 4 6, 3 ' C ' T &

' ') K' 7 =G' % & 17/6,60' OH 67 -' %' ' ' $' 2 60*' 546' 67 : 0*-' (%$' /4,6' ?7/,24- B 0/;-' 2/' -./4;-J 07?0-' 7 H 60/*760' T(<

P'C\P' ,"-3'!/"7'5' $8':!'&%-' /!,9 '8

&' /- , L' 280/-' /0+4 7/' 017 -' (E' 67 : 0*-' : 7*=' ?4 0-' 2/6.26/2124-' : ;/=2' 54/?03 B 07?0-' 2112-,60' 2/' 7 60/H *760' 4-47 =' -6,14 760' ' ' ' ' T(& $' " J ' 280/-' 4-47 =' ,//0+4H 7/' 017 -' E' 67 : 0*-' É 7*6.0/-' 4-47 =' 54/?03É 52**056,?0' -47 =' 3, 7603' 7;2?0'6.0' 50 -' /4,6' 4-47 =' 7' 571-4 0' : ;/=2' -6/7,+.6 07?0-' 2112-,60' 2/' 7 60/*760' -6,14H 760' T%$

T$' K' 380/-' /0+4 7/' OH 17 -'% E' 067 -'%/ j$ C' 67 : 0*-' T$ ($' 2*' 6.0' 246-,30' 2 '7' 64;0' 2/ : 03' ;='6.0' , 7 : 0*6-' 0//=' T 22' -00303 B /2 : 76,5' 6/00-J 07?0-' OG-6,14 760' T%(

T ' & . K' 017 -' T <' 067 -' ?7/,24-' 2/' $' 67 : 0*-' 22' /00' ,*-0/603' 2*' 7' 3,-5,H 2/ :' 62/4- B ./4;-' 2/' 6/00-J' 07?0-' -6,14H 760' 2/' *26' D 00' 7 -2' $T' / -)/2'2' T%(

2.2/6' : ' 2 =+7 7 0- 1 9C* ?' *;=' C9+* ?' I' 9*47# 8*89 A' %' 2/' ' +*B9;?' 7-B*;A' 08' +/ 49' *?' B*;A' *?' +79' C9+* ?# -*8A' ' G8*89 A' H' 08' B089 I' 0 !9=' >@B9;' 9?7A# 8*89 A' *>?9;+ 1 98>?' 08' ?78@>?' 9*-9?' 95?+ C@ *+9' G 9+* ?' *;=' ?+*B9;?' H M' 08 B089' ;' 63'%-&#2#2'2']

TT' 6 K' 280/-' /0+4 7/' OH 17-' 7*3' 1067 -' ' 075.' 67 : 0*-' ' /00 B' /00-' 2/' 0/056' 2/' 68,*,*+' ./4;-J 07?0-' 7 60/*760' -,: 1 0' 0G-6,14 760' ' ' ' T%' T(' 2 L' 280/-',//0+4 7/' OH 17-' ' 067 -' (E' 67 : 0*-' 4-47 =' ' : 2*730 1.24-' B' 0/;-' -./4;-' 2/' 6/00-J 07?0-' 4-47 =' 7 60/*760' -,: 1 0' 0G-6,14 760' T%Y T(E' -'$#)"K' 280/-'/0+4 7/' OH 17-' 7*3' 1067 -' ('%' E' 075.' 67 : 0*-' 68,50 7-' : 7*=' /00 B : 7 ' -;/4;-' 2 60*' 076.H ,90J' 07?0-' 7 60/*760' 2112-,60' 2/' 8.2/ 03' 0G-6,14 760' ' ' ' ' ' ' T%Y T%' "04 J' 017 -' E' -2 : 06,: 0-' 73*760' 62' 6.0' 2?7/=' 4*0>47 ' 12-60/,2/' -14/=03' 2/' +,;;24-' 067 -' ('2/' E' .=12+=' *24-' 2/' 10/,+=*24-' 67 : 0*-' -0?0/7 ' 4-4H 7 =' 2*0' 0/6,0' B' ./4;-' 2/' 6/00-J' 07?0-' 4-47 =' 2112-,60' 2/' 8.2/ 03' -,: 1 0J -6,14 0-' $' 2/' -: 7 ' ' ' X' ' ' ' ' TE

2.2/6' 7/=21.= 7 0- B 0/98?' 89:@ *8' 9C* ?' # 8*89 A' N# 9+* ?' @?@* A' *?' B*;A' +*B9;?' *?' B*;A' 08' +/ 49' *?' B*;A# 8*89 A' B089' 08' 9/98' -*8A' H' 49 9=# 08' BC98 94+ A' 49 9=' C *49;+*' 49;+8* # 899# 8*89 A' C*8 9+* ' B>8A0' @?@* A' 4@8-9=# *;=' ;' *' 0@ D' * >@B9;' G 9+* ?' 40;;*+9' ;'?0B9' 3"$9!/3'2'' *;=' <#8/"#&2#8' 4' 7?' 0708' ?' 4 0?9 A' * 9=' +0' 3 # #23#)/!'&5 *;=' 33" # %'83.3)#/!'&

TE' 0 1! K' 017 -'52**760' OH 67-' % E' 2*+ 5 7803' 67 : 0*-' 7-' : 7*=' 750*67-' T %' 17/,067 ' ;4 : 0*' 0-.=J 0 : ;/=2' -6/7,+.6 B 0/;-' 2/' 4*30/-./4;-J 07?0-' - : 7 ' 2112-,60' -,: 1 0' 0G-6,14 760' ' TET T<' K' 017 -' & E' /00' 2/' 52**760' 067 -' (E' 5 7803' 2/' *26' 67H : 0*-' (E' 2/' < $' 750*67' 4-47 =' 50*6/7' 7*3' /00 B 0/;-' / : 0 =' -.64;;=J 07?0-'21' 12--,60' -,: 1 0' -6,14 760' 2/' *26' ' ' TE%

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T' 2 5 J 017 -4-47 =T' 0H
67 -% E /7/0 =22 67 : 0*-?7/,24- 7
50167 50*6/7 B 0/;-J 07?0- 7 60/*760 2/
112-,60 -, : 1 0 -6,14 760 2/ *26 TEY

T& ?4 017 - E /7/0 =% 067 - 7- : 7*= /00 2/ 52**760 67 : 0*-
□□ 750*67- (E 50*6/7 2/ 17/,067 B
./4;- 2/ .0/;-J 07?0- : ,*460 7 60/*760
-, : 1 0 0G-6,1 4 7 6 0 □

2.2/6 466, 0/7 0- 1 0/98? 89:@ *8 9C* ? *;= C9+* ? 9*47 @?@* A #
B>8 4*+9 ;>@= +*B9;? @?@* A 00 -*8A M 00 49 9=# 8* 9 A 49 9=# 08 0 0;9
4* .C9 " C *49;+*? 0;+79 ;;98*;: 9? 0 +79 49 ?

TY , , 7@ 280/- 67 : 0*-
30 ,*,60 B 0/;- 2/ -./4;-J 07?0- - : 7
2112-,60 08 7-5,5 03 -, : 1 0 -6,14 760 T<%
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4-47 = 22 B 0/;- 2/ -./4;- /7/0 = 6/00-J
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(,/ 7@ 280/- /7/0 = OH
17 - % $ 67 : 0*- 4-47 = 22 B /00- 2/
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52/,75024- -, : 1 0 0G-6,14 760J 280/- 4-4H
7 =,*(5.262/724- 5= : 0- 2/ 17*,5 0- T<&
?E - K 280/- 4-47 = =
017 - E 067 - /00 2/ 52**760 67 : 0*-
□□ B /00- 2/ -./4;-J 07?0- 4-47 = 7 60/H
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((! 280/- E 017 -
T < 067 - T /00 2/ 52**760 2/ 2/ :,*+
7 5,/54 : -0,-- 571 67 : 0*- 4-47 = 22 B
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7 60/*760 -, : 1 0 0G-6,14 760J 280/- 4-4H
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.22303 ;/756- T'E
1 ?@ ! ! 280/- = 7 =G
4-47 = 0* 7/+,*+ +/076 =,* /4,6 67 : 0*-
□□ 2/ 30 ,*,60 B /00- 2/ -./4;-J 07?0-
52/,75024- 7 60/*760 -, : 1 0 2 60*' -6,14 760J
280/- 17*,5 03 T''
(E 6 280/- 017 -(
067 - □ 67 : 0*- 22 ,*-0/603 8,6.,*
7 6226.03 541 B /00- 2/ -./4;-J 07?0-
7 60/*760 -, : 1 0J -6,14 0- 5734524-J 280/-
,*3,5.262 : 24- 5= : 0- 2/ 17*,5 0- T'&

0708 " * -* 9? 1 0/98? 8*89 A 889:@ *8 9C* ? # 8*89 A 1 # 899 08 40;E
;*+9# -* -*+9 0C B>8 4*+9 9+* ? *? B*;A 08 +*B9;? @?@* A 00 *;= B0;*=9 C 0@?
-*8A M 49 9=G8*89 A 0 H 4*8C9 I 0-@ 9? ;+79 ;;98*;: 9? 0 +79 49 ? 1 78@>?#
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6 (< ; 67 : 0*- : 2*[30 1.24-
7*6.0/- 50 03 ?4 0- 4-47 =P 7-50*3,*+
2/ .2/,M2*67 B 07?0- 7 60/*760J -6,14 0-
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(, ! , L 67 : 5*- : 2 2/
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7-50*3,*+ 2/ .2/,M2*67 B 0/;- -./4;- 2/

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] (& 67 : 0*- /00 2/ 52**760
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10*34 24- B ./4;- 2/ 6/00- /7/0 = .0/;-J
07?0- 7 60/*760 /7/0 = 2112-,60J -6,14 0-
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8 ;:08 @?7 0;# 08 ?C89= 0-98 +79 >*?9 0 +79 4* A5 +@>9# 08 40; @9;+ / +7 +79 >*?9 0
+79 0-*8A# 08 >80F9;@C ;+0 :*;=?' +*B9;? @?@* A =9 ; +9# ;?98+9= @C0;' 08 *+ +79
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G5016,2*- ,-9 ,*52*-1,545 : 2/ 76 ,* + 2) .#7%#/3'2''& 2 60* /034503 62 : ,*460 + 7*3-2/ 7;-0*6 ,*
!@#8'W'5 ?/!#)'W&5 '"/ /2' 5 /# /"9,'"5 4'!/&$"#8'&5 3"#/"#')5 !/3#8'D 5 !#2#8' 5 7*3 7 08 26.0/ /30/-
67 : 0*- -2 : 06,-0-10/,+=*2*0 ,* %/#!%$#/2'D 5 %/ 8'$&5 8/2/")#/2'2 5 '!/&$"#8'/45 $/2F% #&#'# 5 9"&'"/2'/E
,*30 ,*,60 ,* 7 08 +0*0/7 2 ?7/,24- /30/- ?7/= : 2/0 2/ 0--,* 0/,2/ ,* -2 : 0 !/2"8' 5 %/ 82/5 7*3
' / % / /

2.2/6 0/7*,7 0- B 0/98?0+9;889:@*8 %?F@?@*A*@;@*8#*=;*+9 +0+79?+*B9;?# 08 89=@4 +0:*;=?#8*89A -*8A0 ?9-98**4*8C9?# ?A;0*8C0@? 08?@>*C04*8C0@?0-@9?H #8*89A 04#*?49;=;:C8C9;=@0@?8*C79@?@*A -9;+8*

?A K 280/-/0+47/017-,:H ;/,5760 0+7*347/ ,-9 2 E +7*3-246H -,30 6.0 -67:,*7 64;0 ?7/=(E 50 03J ,-T2?4 03 ;4:0*0-.=B 0/;-2/ -./4;-J 07?0-,:10/7/0=2112-,60 4-4H 7 =-6,14 760 TY(@=" 1. K 280/-/0+47/ 017-,:;/,5760 0+7*347/ 067-E O,6. 7;7-7 7110*37+0 ?7/=T(50 03 /410 -00303J 7;4:0*-57*6=B ./4;-J 07?0- -,:10 0*6,/0 760/*760 -6,14 760 2 303 2*+,643,*7 =,*;43 TY% % 5 + % J ! 280/-/0+47/ 017-X E,:;/,5760 067-E ?7/=E 50 03 B 0/;-/7/0=6/00-J 07?0-7 60/*760 52:H 124*3-6,14 760 TY& @E - K 017-:-7 ,-9 \ 4-47 =6226.03 2/ 2;03 67:0*-$A\J 52**056,?0 52*,57 0-.= ?7/=E 50 03J 50-2?4 03 B /00-J 07?0-7 60/*760 P-,:10 0G-6,14 760 T$& @? . / !K 280/-/0+47/2/ ġ ,//0+47/ 017-E T 2/7 4-47 =T+7* 34 7/246-,30 67:0*-2 60*:2*730 1.24- -0?0/7 2 60*7*6.0/0--?7/=4-47 =2;03 2 T (2 4 03 57/10 -J -6=0-(003 0G 7;4:,*24- B /00-2/ -./4;-2 60* 5,:;H ,*+J 07?0-4-47 =2112-,60 -,:10 2/ 2;03 -6,14 760 2/* 2 6 TYY @@ K 280/-/0+47/ 067- E --7 0-.= 67:0*-$?7/=E 2;03 2 < 2?4 03 57/10 -J -6=0-E /4,6 71257/124- ;4:0*-57*6=2/$B .4;-J 07?0-2112-,60 -,:10 0G-6,14 760 ($ Á %E h? /GG L 280/-/0+47/2/ " ,//0+47/ 017-E 2/%4-47 =/00 0+7*H 34 7/ 67:0*-8,.7 -57 0 76 6.0 ;7-0 2 6.0 ,7:0*6- ,-9 4-47 =0-.= Ÿ ?7/= 7*+03 2/ 2;03J 50 -T 22 2?4 03 B 0/;- 2/ -./4;-J 07?0-4-47 =2112-,60 7*3 52:H 124*3 *26+7*3 326603 -6,14 760 ($(Ñ %< ; J 280/-,*6.0;/756-2 4*,-0G47 -1,90-2/ 52*0- B S /00 7=G 57:17*4 760 T ,1103 067-%5 7803 67:0*-% B [0/,7*6. $?7/,0-& T 52**760 7*3 73*760 62 6.0;7-0 2 6.0;/756 % 50 03J 50 -2?4 03 B -07-,30 -./4;J 07?0-2112-,60 0-.= -,:10 0G-6,14 760 ($E '(& @7 K 280/-2 60*,//0+4 7/ 017-<,:;/,5760 067-<527\ 62/603 7/10-E 73*760 62 7 50*6/7 52 4:* 2/:,*+ 7 E 50 03 2?7/= 1/234503 7;2?0 ,*62 7 ;079J 50 -(2?4 03 71-4 0 2 E 2 ,5 0- /2 ,*+;759 0 7-6,57 =/2:6.0 7G,-B 0/;-/7/0=-./4;-J 07?0-2112-,60 2/7 60/*760 -,:10 /52:124*3 4-47 =-6,14 760 ($(@\ & -1 K 280/-?0/=,//0+4 7/ 017-(<5734524- 12-60/,2/-14//03 067-(E ?0/=4*0>47 ,:;/,5760 5734524- 67:0*-<J 7*6.0/-52**760 2/:,*+7 571 62 6.0 2?7/= ?7/=E 50 03 /4,6 7 571H -4 0 2/,*30.,-50*6 3/410 B 0/;-J 07?0- 2112-,60 7 60/*760 2/O.2/03 -,:10 0G-6, 14 760 ($& ($Y @A .K 280/-,//0+47/ 0 A 17-4*0>47 12-60/,2/-14//03 067-10/, +=*24- 67:0*-& .=12+=*24- ?7/= AA(50 03J 50 -2?4 03 B 0/;-J 07?0- 7 60/*760 -,:10 0G-6,1* 760 ($& (O= - K 280/-/0+47/ 0 8 17-(E ?7 760 2/-4;,:;/,5760 067- 10/,+=*24- 67:0*-68,50 7- :7*=-4;R 10/,+=*24- ?7/=E 2;03J 50 -E 2?4 03J -6=0 +=*2;7-,5 ,10 57/10 - /00 ,*30., -50*6 B 0/;-J 07?0-7 60/*760 :45. 546 0G-6,14 7 0 ($& ((/B - J 0/98 @?@* A 89:@*8 9+* ? #7AC0:A;O@? +*B9;? H # 899 ,-9 6.,59 ?7/=(E 2;03J 50 -T % 22 2?4 03J -6 30- 760/7 2/ +=*2;7-,5 /4,6 571-4 7/ 003-7;4:,*24- B 07?0-7 60/H *760 -,:10 2/ 52:124*3 -6/2*+ -50*603 0G-6,14 760 (< DE $ K 280/-/0+47/ OH 67 -.=12+=*24- /00 2/ 52**760 67:0*- 30,*,60 2/ -,-9 7/+0 ?7/=*26 2;03J 50 -$$ 2?4 03J -6=0 60/:,*7 /4,6 7 ;0//= 003-0G7;4:,*24- B 07?0-7 60/H *760 52:124*3 + 7*3 326603 0G-6,14 760 (E (& O? - K 280/-/0+47/ /,//0+4H 7/ 067-% E /00,:;/,5760 2/ ?7 ?760 67:0*-% <2/& $,-9 /00 2/ 10/,+=H *24- ?7/=71257/124-J -6=0 ?0*6/7 2/ ;7-7 /4,6 2 5255, 003-7;4:,*24- 2/ *26 B ./4;-J 07?0-2112-,60 2/ 7 60/*760

-, : 1 0 2/ 52 : 124*3 7*3 326603 0G-6, 14 760 (E (T D@ V & . ! K 280/-/0+4 7/ 2 60* 66*,-0G4* 067 -(E , : ;/,5760 2/ ?7 ?760 67 : 0*- (E 2/ < $,-9 /00 ?7/= 712 2/ -=* 57/124-J 50 - T 2?4 03 /4,6 ?7/,24- B /00- 2/ -./4;-J 07?0- 7 60/*760 8 2112-,60 4-47 = 52 : 124*3 + 7*3 326603 0G-6,14 760 (E (T(EE , , 280/- /0+4 7/ 4*,H -0G47 067 - (E $.=12+=*24- , : ;/,H 5760 2/ ?7 ?760 67 : 0*- (< 2/ O(N=(H ,-9 /00 ?7/= 2 T E /00 2/ 52**760 4-47 = 2?4 03 57/10 - /4,6 ?7/,24- B /20-(2/-./4;- 4-47 = ;,660/J 07?0- -, : 1 0 2/ 52 : 124*3 *26 + 7*3 326603 (T$ E< 5 , 280/- E /0+4 7/ 2/ -4; /0+4 7/ 017 -% E 067 -% E 2/ & $ 67 : 0*- 30 ,*,60 2/ 22 7*6.0/- 8,6.60/ : ,*7 12/0- ,-9 4-47 = 7/+0 *26 + 7*34 7/ 7/H 10 -% E $$ $$ 2?4 03 /00 2/ 52**760 2/ 52**05603 76 6.0 ;7-0 2* = ; $% '+=*2;7-,5 -6= 0 0-.= 8.0* /,10 003- 7 ;4 :,*24- 2/ *26 B ./4;- 2/ 6/00-J 07?0- 7 60/*760 -, : 1 0 /7/0 = F,**760 -6,14 760 (TY D7 &! ! ! 282, - Q /0+4 7/ 7 =G (E ,3 067 - (E , : ;/,5760 2/ ?7 ?760 ,* ;43 67 : 0*- (E 2/ $ $,-9 /00 2/ 734760 62 6.0 57, G 64;0 ?7/= 0*6,/0 T E 50 03 J 50 - T 2?,303 003- 0G7 ;4*,,*24 B 7 -7 : ,5 6/00- 2/ -./4;-J 07?0- 7 60/*760 52 : 124*3 0G-6,14 760 ((<& ! 280/- /0+4 7/ 2/ 4*,-0G47 7 =G - : 7 067 - (2/ 52**760 2/ 73*760 62 6.0 -67 : ,*7 64;0 67 : 0*- 4-47 = 68,50 7- : 7*= 7-6.0 1067 - : 2*730 1.24- ,-9 /00 ?7/= 0*6,/0J 50 - 4-47 = T 2?4 03 B /00- 2/ -./4;-J 07?0- 4-47 = 52 : 124*3 0G-6,14 760 (((EY , /, 2??0/- 2/ 4*, -0G47 /0+4 7/ 017 - < /00 2/ 52**760 067 - T 2;03 67 : 0*- E /00 2/ 73*760 62 6.0 52/2 7 ,-9 ?7/,24- ?7/= 0*6,/0J 50 - T 2?4 03 B /00- 2/ -./4;-J 07?0- 7 60/*760 -, : 1 0 -6,14 760 ((($

2.2/6 757 0- B 280/- /0+4 7/ E 2/ 4*,-0G47 7 =G - : 7 ,-9 /00 5414 7/ 2/ 7**4 7/ /7/0 = + 7*34 7/ 2/ $?7/= 0*6,/0 22 50 03J 2?4 0- (',*075. 50 10*34 24-J /71.0 32/-7 ,*60+4 : 0*6- 52* 40*6 8,6. 6.0 *45 04- ;4 : 0*4-47 = 521,24- 0-.=J 0 : ;/=2 - : 7 B ./4;- 2/ 6/00-J 07?0- 7 60/*760 -, : 1 0 0G-6,14 760 D .,- 2.2/6,- 5 2-0 = 7 ,03 62))) /8$/!/!'&

<$ * , 7b 067 - 4-47 = ?7 ?760 ?7/= D/7/0 = , : 10/ 056 = T E F 50 03 2/ 8,6. (' 4*, 760/7 50 - /4,6 -00303 00 7 -2 E /5 7*3 T % /8$/ !/2'DS &&< < *5,) 067 - , : ;/,5760 ?7/= ($$ 50 03 ,-9 2;-2 060 /4,6 2 (22 -00303 1=/0*0- ((& OE " - 017 - T (067 - /00 , : ;/,5760 , 7 : 0*6- 10/-,-60*6 ,-9 $ 6,+ : 7 -0--, 0 8,6. /73,76,*+ 2;0- B : 7 -./4;- 8,6. 076. ,90 07?0- (%$

2.2/6) 07-6/7 0- B 280/- /0+4 7/J 52/2 7 .=12+=*24- 2/ 10/,+=*24- ,-9 64 : ,3 73*760 62 6.0 ;7-0 2 6.0 57 =G 64;0 2/ ,*,*+ ,6 67 : 0*- 7- : 7*= 7- 6.0 1067 - 2/ 080/ /7/0 = 68,50 7- : 7*= 10/,+=*24- 2/ ,*-0/603 246-,30 6.0 3,-9 2/ 2*,6-03+0 ?7/= 4-47 = 0*6,/0J 2?4 0- T ,* 075. 50 0/056J /71.0 ?0*6, 7 B 07?0- 4*3,?,303 0G5016 # '!#)'3 7*3 $/.!#-!'/2'2'

<(Q %J 7 =G - : 7 , : ;/,H 5760 067 -% < -4; 10/,+=*24- -1/073,*+ , : ;/,5760 67 : 0*- % < ,*-0/603 76 6.0 2460/ ;7-0 2 6.0 3,-9J , 7 : 0*6- -4;4 760 B ./4;- 2/ 6/00-J 07?0- 4-47 = 7 60/*760 -6,14 760 (%T <(< ,//25 - 7 =G - : 7 , : H ;/,5760 067 -% E 67 : 0*- (' /7/0 = T %' &' 4-47 = ,*-0/603 2* 6.0 750 2 6.0 3,-9J , 7 : 0*6- 7660*03 /054/?03 B ./4;- 2/ 6/00-J 07?0- -, : 1 0 4-47 = 2112-,60J -6,H 14 0- : ,*460 2/ $ (% (<% 7 =G 7/+0 , : ;/,H 5760 067 - E /00 67 : 0*- E ,*-0/603 246-,30 6.0 3,-9J , 7 : 0*6- -4;4 760 B ./4;-J 07?0- 2112-,60 52 : 12443 -6,14H 760 (%% (<(<< 7 =G - : 7 067 - E *7//28 0/056 2 60* 52**760 67 : 0*- E 10/,+=*24- ,*-0/603 2* 6.0 03+0 2 6.0 3,-9

?7/=' 2;03 B 0/;-J 07?0-' 7 60/*760' -,:H 1 0' *7//28J -6,14 0-' :,*460' 2/' ' (%< C' <<') - ' 7 =G 2;0-'?7 ?760' OH 67 -',:;/,5760' -:7 ' 52*57?0' 2/' $' 67H :0*-' 4-47 =' 10/,+=*24-' ,*-0/603' 2*' 6.0' 03+0' 2 '6.0' 3,-9 '2112-,60' 6.0' 1067 -' ?7/=' /00' 2/' 73*760' 62' 6.0' 3,-9' 2/',* 0/,2/ B /00-' 2/' -./4;-J 07?0-' 7 60/*760' -6,14 760' (%<

<'' *F 7b' 7 =G' -:7 ' 2;0-',:' ;/,5760' 067 -'?7 ?760' 5734524-' 67:0*-' ,*-0/603' 246-,30' 6.0' 3,-9' 7*3' 2112-,60' 62' 6.0' 1067 -' ?7,=' /00 B ./4;-' 4-47 =' 5,:;0/-J 07?0-',:1 0' 2/' 52:124*3' -6,14 ' C 760' 2/' * 2 6 (%Y

2./6') ' 71,*37 0- 1 0/98?0 +9;' 889:@ *8' *;=' @;?95@* ' % ?F' +@B =#' *=;*+9' +0' +79' >*?9' 0' +79' 4* A5' 08' ;:;' +?' +@>9' +*B9;?C98 :A;0@?' 08' ;?98+9=' @C0;' +79' = ?F#' 08' >9+/99;' +' *;=' +79' 0-*8A#' @?@* A' =9 ;+9' -*8A' 9;+89' 0>9=' 08' *C04*8C0@?" 0-@9?' T' ;' 9*47' 49 # @?@* A' *?49;=;:' / +7' *' -9;+8*' 8*C79# 08' 89-98?9=# 08' C9;=@0@?' 80B' 7' >*?*' @;4 9# 8*89 A' 00 708 <0;+*' 99=' @?@* A' 95* >@B ;0;?' B>8A0' 0 +9;' 4@8-9=' 08' 48@BC 9=1 78@>?' 8' +899?' 9*-9?!?@* A' 40BC0@;=

' = - %J% 280/-'2 60*',//0+4 7/' U 067 -' % E' 2/' $' 67:0*-' 080/' 2/' :2/0' 6.7*'6.0' 1067 -'/7/0 =' 7-':7*=' ?7/=' 2 60*' 0G50*6/,5' :;/=2' 0G7 ;4:,*24-' 4-47 =' 54/?03' 2/' -1,/7 B 07?0-' 4-47 =' 7 60/*760' -,:1 0' 2/' 52:124*3' -6,14 760' 2/' *26' ' (E <Y' 5 , 7b' 280/-'/0+4 7/' 067 -' % E' 2/' $' 67:0*-' 7-' :7*=' 7-' 6.0' 1067 -' 2/' :2/0' ?7/=' 50*6/7' :;/=2' 7 ;4:,*24-' J 526=032*-' 2 303' 2/' 52*?2 460 B 07?0-' 21 '12-,60' 4-47 =' -,:1 0' 0G-6,14 760' ' &E(' (E% '$' ' 280/-' ,//0+4 7/' 067 -' % <' 67:0*-' E &' 305,*760' :H ;/=2' 7/+0' 0G7 ;4:,*24-J 526=032*-' 0-.=' 2 60*' 52**760 B /00-J 07?0-' 2112-,60' 52:H 124*3' 0G-6,14 760' ' (E(' (E< GB% ; 4 % 280/-',//0+4 7/' OH 67 -' %' 2/' E' 6.0' ,6.' :,*460' 67:0*-' %',*H 5,*03' :;/=2' -:7 ' +/00*',*' 521,24-' 7 H

;4:0* B 0/;-' 2/' -./4;-J 07?0-',:1 0' 2/' 52:124*3' 4-47 =' -6,14 760' ' (<(' (E& 7E' ! K' 280/-' /0+4 7/' 4-47 = E' /756-' -017 -' 1067 -' 7*3' -67:0*-' 4-4 ' ' 7 =' -2' 8.2/ 03' 7-' 62' ;0' :2/0' 2/' 0--' /0+4H 7/=' 2112-,60' 62' 2*0' 7*26.0/' 67:0*-' /00' 2/' 73*760' 62' 6.0' 1067 -' -2:0' 2 60*' -60/,0' :;/=2' 8,6.' 6.,59' 2/' /4+2-0' 2/' :0:;/7*24-' 7*3' 52*62/603' 526=032*- B /00-' 2/' -./4;-J 07?0-' 7 60/*760' 2 60*' -,:1 0' 0G-6,14 760' ' (EY 7?' ! K' 280/-' /0+4 7/' 2/' ,//0+4 7/' +' 2/' 4*,-0G47' 067 -' 7-' :7*=' ' 7-' 6.0' -017 -' 2/' 68,50' 7-' :7*=' 2/' ' ?7/=' 50 03' 8,6.' 7' T ,3' -6=0' 2/' T E' 50 03J 50 -' 2?4 03J 2?4 0-' 10*34 24-' /2:' 7' ;7-7' 4*,5 0' 2/' 76675.03' 62' 6.0' ,**0/' 7*+0' 2' 6.0' 50 ' /4,6' 4-47 =' 7' 3/410' 003-' 0G7 ;4:,*24-J B' /00-' 2/' -./4;-J 07?0-' ?7/,24-' 0G-6,14 760' ' (<$

PK

= ' # =,3?=/43 :,3

9C* ?40;;*+9' G8*89 A' 899I# 0 +9;' *=;*+9' +0' +79' 0-*8A' 9+* ?' H ?98 *+9# C98 :A;0@?' 08' 9C :A;0@?' % ?F' *=;*+9' +0' +79' >*?9' 0' +79' 4* A5# 8*89 A' +@B =' 08' 8* ?9=' ;+0' *' +08@?' 08' :A;0C7089' +*B9;?C98 :A;0@?# @?@* A' ;?98+9=' 0;' 08' >9;9*+7' +79' 0@+98' B*8:;' 0' +79' = ?F' -*8A' 89R@9;+ A' ; 98 08

2./6') ' 2-7 0- 1 0/98?@?@* A' E' # 89:@ *8' 08' 889:@ *8' *8C9?' ' 08' BO89# @?@* A' R@ +9' 899' ;' >@=# ?0B9+ B9?' -*8 0@? A' @;+9=' * +98/*8=?' / +7' +79' 4* A5 +@>9# 08' 9;4 0?9=' ;' +79' ? /0 9;' +0C' 0' +79' C9=@;4 9' ?+A 9?' @?@* A' = ?+ ;4+

' '(" ' & ' ' ' >" ' ' ' -' 5 " ' " ' "' '5 " '%' 2 L' 280/-'/0+4 7/' 67H :0*-' 30,*,60' 7/10 -' E' /00J' 2?4 0-' T

,*' 075.' 57/10' ;7-7' 2/6.26/2124-' /4,6' 7' 2,5 0' 003-' 2 60*' 7;4:,*24- B /00Q' 2/' -./4;-J 07?0-' 7 60/*760' 52:124*3' 0G-6,H 14 760' (<%

\\ & 1 280/- /0+4 7/ E ,* -1,90- 2/ .073- 067 - % E 10/,+=*24- 67 : 0*- % E /00 2/ 73*760 62 6.0 1067 - ?7/= /00 2/ , * 0/,2/ 2/ -0 : , ,* 0/,2/ (50 03J -6= 0- : 2/0 / 0--52**760J 2?4 0- 10*34 24- ,* 6.0 50 03 2?7/,0- 2/ $,* 6.0 TB(50 03 2/ T 52 760/7 /2 : 6.0 ,**0/ 7*+ 0 /4,6 571-4 7/ 2/ ,*30.,-50*6 003- 7 ;4 : ,*24- B . /4 ;-J 07?0- 7 60/*760 J 076. ,90 0G-6,14 760 A % & 4 &Y ,2 70 280/- /0+4 7/ Q 2/ 4*,-0G47 067 - TB% 01,+=*24- 2/ $ 67H : 0*- 30 ,*,60 ?7/= % 00 03J -6= 0- B%J 2?4 0- -2 ,67/= 10*34 24- ,* 075.50 /4,6 - : 7 ,*31.,-50*6 003 7 ;4 : ,*24- B 0/ ;- 2/ - : 7 - . /4 ;-J 07?0- 7 60/*760 /7/0 = 21H 12-,60 2/ 8 .2/ 03 -, : 1 0 2/ : 45. 3,?,303J 280/- 4-47 = - : 7 7G, 7/= % $$ 4//4 , 280/- 2/ 4*,H -0G47 ,* 30*-0 2/ 7G -1,90- 0 . /7560760 7 =G 6006. T (2/ $ 067 - T 01,+=*24- 52*57?0 2/ $ 67 : 0*- T 2112-,60 6.0C1067 - 8 .0* ?0/= 7/+0J 7*6.0/- .7-, ,G03 ?7/= 5 03J -6= 0- TJ 2?4 0 10*34 24- /4,6 ,*30.,-50*6 003 7 ;4 : ,*24-J 0 : ; /=2 : ,H *460 B 7/+0 2/ - : 7 . 0/ ;-J 07?0- 7 60/*760 -, : 1 0 -6,14 760J 280/- : ,*460 % < D7*3 '"/ % % N$! ! 280/- + 2/ 4*, -0G47 067 - $ 2/ T -57 0- 67 : 0*- 2/ T 76 6.0 ;7-0 2 6.0 2?7/=J 7*6.0/- .7-, ,G03 ?7/= % 50 03 % 2;03J -6= 0- T , , 2/ : 3,-6,*56J 2?4 0- -2 ,67,= 10*34 24- ,* 075. 50 /4,6 ,*30.,-50 ,6 % 2.03 003 7 H ;4 : ,*24- B 0*30/ O760/ .0/ ;-J 07?0- 21H 12-,60 -, : 1 0 0G-6,14 760 %

2.2/6 3 =/67 0- B 0/98? 89:@ *8 08 ?@> 89:@ *8#@?@* A \ -*8A ?A;4*8CO8+?# @?@* A ; 98 08 ?+A 9 @;= - =9= G-98A 8*89 A ?+A 9? 899l C *49;+*? *5 9 08 *C 4* # 8*89 A >*?* 1 9*-9? ? BC 9# @?@* A R@ +9 9;+ 89 G8*89 A M 0!0 *+9 ; 3 ,"'$/2'2

X P (9!'& .'8)$#F &:"3 $%"'$3. 3:'$%' 3(/"#/8 2'!!

A YT ,M2 , 7 =G 2;0- ?7 ?760 067 - 10/,+=*24- 2/ 01,+=*24- 4-47 = 6226.03 2/ 546 67 : 0*- T %' 6, : 0- 7- : 7*= 7- 6.0 1067 - ?7/= T < 50 03 -410/,2/ 2/ ,* 0/,2/ .41,0*' $ 2/ 0- . = B /00- 2/ - . /4 ;-J 07?0- -, : 1 0 2112-,60 -6,14 760 /7/0 = 7 60/*760 7*3 0G-6,14 760 % & 4 Y(2 L 7 =G 2;0- ?7 ?760 067 - 01,+= : 24# 67 : 0*- 4-47 = 30 ,*,60 ?7/= 50 03J 2?4 0- T E 4*,5 0- 2*+ /410 -00303 : ; ,=2 52*?2 460 2/ 2 303 0G7 ;4 : ,*24- B . /4 ;- 2/ 6/00-J 07?0- 21H 12-,60 2/ 7 60/*760 -,7,1 0 ?0/= /7/0 = (2 ,2 760 0G-6,14 760 %T$

P P (9!'& 9&9/!!- 89 '"39&5 /8) /?#!' D& !#Q $/"- 3'": ' <5 /8) /.#2/! 3 ,/&/!5 #8 3 + -"#/2'2'5 + '!/&$3 /2'/5 8/7"/"#'('5 7*3 "/.'2'

Y% , 7 =G 2;0- ?7 ?760 2/ , : ; /,5760 067 - 01,+=*24- 67 : 0*- 22 /7/0 = 30 ,*,60 ?7/= ,* 0/,2/ 2/ -0 : , ,* 0/,2/ /7/0 = /00 22 50 03 /4,6 7 571-4 0 2/ ; 0//= 003- 0G7 ;4 : ,*24- B /00- 2/ - . /4 ;-J 07?0- 2112-,60 2/ 7 60/*760 -, : 1 0 2 60* (1 ,*0/?03 4-47 = 0G-6,14 760 7*3 + 7*3 32660 3 %TT

b/ /P J 7 =G 2;0- ?7 760 2/2 7 01,+=*24- -, : 1 0 7*3 : 4 6, ,3 2/ 324; 0 6.0 24 60/ 1 7,603 6.0 ,**0/ : 4 6, ,3 67 : 0*- : 7*= , 7 : 0*6- 4*,603 ,*62 7 10 67 2,3 541 2/ /00 ?7/= < < 50 03J -6,+ : 7 3,-52,3J 2?4 0- -0?0/7 ,*' 075. 0 B . /4 ;-J 07?0- 7 60/*760 -, : 1 0 0G-6,14 760 N b, ; # 4 % 7 =G 2;0- 4-47 = , : ; /,5760 067 - 01,+=*24- 2/ 10/,+=*24- 52*62/603 ,* .43 67 : 0*- (T 4-47 = 30 5 ,*760 7*3 2 T 2/ : -J 7*6.0/- -47 = 210*H ,*+ ; = 12/0- ,* 0G03 ,* ;43 ?7,= /00 2/ 73*760 62 6.0 57 =G 64;0 T 22 50 03 /4,6 571-4 7/ 2/ ;0//,03 003- *4 : 0/24- : ,*460 /7/0 = 08 7/+0 0G7 ;4 : ,*2,,- B . /4 ;- 2/ 6/0 - /7/0 = .0/ ;-J 07?0- 2112-,60 2/ 8 .2/ 03 -, : 1 0 0G-6,14 760 -47 = (E 1 ,*0/?03 %T&' QO ! 1 K 7 =G 2;0- ?7 ?760 067 - 10/,+=*24- /7/0 = 01,+=*24- 4-47 = 5/4 : 1 03 ,* ;43 67 : 0*- 4-47 = 30 ,*,60 ?7/= /00 /7/0 = 73*760 62 6.0 07 =G 666;0 T $$ 50 03J 50 - 22 2?4 03 003- - : 7 0G7 ;4 : ,*24- B 0/ ;- 6/00- 2/ - . /4 ;-J 07?0- 4-47 = 2112-,60 -, : 1 0 0G-6,14 760 %(Q % K 7 =G 1E 6226.03 067 - 01,+=*24- 8 ,6 -2 : 06, : 0- ,*60/12-03 -57 0- 67 : 0*- 44 , 7 : 0*6- 0G,624- ,* ;43 ?7/= T % < 50 03J 50 - T (72 2?4 03

0//=' 2/' 3/410' (% 50 03 ' : ; /=2' 54/?03' 2/' -1,/7 ' 0G7 ;4 : ,*24-' B ' .,#4 ; -J 07?0-' 2112-,60 ' -, : 1 0 ' 0G-6,14 760 ' *26' + 7*3 ' 326603' %(
AA ' ' 1 ' 7 =G 2;0-'?7 ?760 ' 0H 67 -' E ' ' 01,+=*24-' , : ; /,5760' ,*' ;43 ' 67H : 0*-' □□ ' : 7*= -0/,760 ' ?7/=' 8,6 .' T' -410/H , : 12-03'6,0/-'2 '50 -' 4110/'6,0/' 8,6 .' 17/,067 ' 280/' 8,6 .' 50*6/7 ' 1 750*676,2* ' 0//=' 6/7H ?0/-03' ;=' : 0 : ; /7*24-' -0167 ' 003-' 8,6 .' 0-.=' 60-67 ' 0G7 ;4 : ,*24-J 526= 032*-'52*H ?2 460 ' B ' ' -./4;J 07?0-' -4; 2112-,60 ' -, : 1 0 ' 0G-6,14 760 ' *26' + 7*3 326603' ' ' %(< $$ ' , 7,' 7 =G 2;0-' ?7 ?760

067 7' T % ' 01,+=*24-' 52*62/603 ' 67 : 0*-' # T ' % ' 2/' & ' ?7/=' ,* 0/,2/ ' T % ' /7/0 =' ' 50 03J 50 -' 25' 2?,, 03 ' : ; /=2' 0G* ;4 ' : ,*24-' -6/7,+.6 B 0/;-' -./4;-' 2/' 6/00-J 07?0-' 2112-,60' 2/' 7 60/*760 ' -, : 1 0 ' 0G-6,14H 760' ' ' ' ' ' ' ' %(N=N ' (&' 7 =G 2;0-'?7 ?760 ' 0 ' [4' 67 -' % ' 01,+=*24-' 67 : 0*-' % ' ?7/=' -0 : ,H ,* 0/,2/ ' T 50 03J 50 -' 2?4 03J -6,+ : 7' 7660*03 ' /4,6' ,*30.,-50*6 ' T % -1,*03' 2/' .2 : 03 ' -00303 ' : ; /=2' 0G7 ;4 : ,*24-J 526= 032*-'?0/=' 4*0>47 ' 2*0' ?0/=' 7/+0 ' 6.0' 26.0/' : ,*460 B 276,*+' .0/;-J 07?0-' /2-4 ' 760 ' -, : 1 0 ' 0G-6,14 760' ' %(Y

2.2/6') ' 7--, 2/7 0- O !3<'"& ;?@* D' 89:@ *8# 6' 08' @; ?95@* ' -*8A @?@* A' ; 98 08# ?A;4*8CO@?# H 49 9=' ' C *49;+*?' C*8 9+* ' ?0B9+ B9?' 08' B089 ' 49 9=' >A' +7>' C80=@49=' C *49;+*?' ' ?+A 9?' 899' 08' 40;;*+9

P' !3<'"& ! ' '?2'.$&3 '' / -)/2'2 ' /8)' /&&#:!3"'<

$T ' ' ' 067 -' ,60' 6.0' -017 - 2/' $ ' 67 : 0*-' 30 ,*,60 ' 7 60/*76,*+' 8,6 .' -57 0-' 2/' 22' ?7/=',* 0/,2/' 2/' -410/,2/ ' 7*3' ,*-0/603' ;=' 7' ;/273' ;7-0J -6= 0' /7/0 =' (< ' 3' : ; /=2' -6/7,+.6 ' 7 ;4 : ,*24- B /00-' 2/' -./4;-J 07?0-' 4-47 =' 7 60/*760 ' -, : 1 0 ' -6,H 14 760' 2/' $ ' D 00' 7 -2' T ' #?#8'2 ' ' ' %% $(' ' 067 -' 01,+=*24-' 67H : 0*-' 22' /7/0 =' 30 ,*,60 ' : 7*=' 4-47 =' , : H 10/ 056 ' ?7/=',* 0/,2/J 2?4 0-' : 7*=' 71H -4 0' , 7*= -00303 ' : ; /=2' 7 ;4 : ,*24- B Ž 0/;-' 2 60*' 5 26.03' O,6.' .22903' 2/' -6,*+,*+' .7,/-J 07 0-' 2112-,60' 2/' 7 60/*760 ' -, : 1 0' 2.03' 2/' 1 , * * 7 6, %%T $%' 6 , L' 7 =G 2;0-', : ; /,5760 ' 067 -' <' 10/,+=*24-' 52*62/603' ,*' ;43 ' 67 : 0*-' E' -4; .=12+=*24-' ?7/=' /00J -6= 0-' (' 71-4 0' & ?7 ?03 ' : ; /=2' 7 H ;4 : ,*24-' B ' 0/;-' 2/' -./4;-J 07?0-' 7 60/H *760 ' -, : 1 0' 2/' 1,**76, ,3J -6,14 0-' : ,*460 P 2/' $ %%E $E ' J ' 067 -' 10/,+=*24-' 2 60*' ,90' 6.0' 1067 -' 2/' $ ' 2/2*7' 76' 6.0' ;7-0' 2 '6;0' 1067 -' -,*+0 '6/0; 0' 2/' 7;-0*6' 2/' /034503'62' -57 0-' 67/=' /00J -6= 0' -, : 1 0 ' 2/' -6= 0-' (E ' 71-4 0' 2/' ;0//=' 4-47 =' -6,1,6760 ' : ; /=2' 0G7 ;4 : ,*24- B ./4;-

4-47 =' -57*30*6J 07?0-' 7 60/*760 ' -, : 1 0' 2/' 52 : 124*3 ' -6,14 760' 2/' *26 ' 8,6;' 2/' 8,6.H 246' 760/7 ' 6 0 * 3 / , - %%<

P' P' !3$(' 4& 98#&'?9/!

N=O ' ! ' 067 #' 01,+=*2=-' 4-47 =' 52* 40*6' 8,6;' 6.0' 57 =G ' 67 : 0*-' (' /7/0 =' EJ' 7*6.0/-' 0G6/2/-0 ' 2/2*7' $?7/=',* 0/,2/J 1 750*67-' 1/234503' 62' 6.0' 7G,-' 7*3' /0?2 460 ' 003-' 0G7 ;4 : ,*24- B ' 0/;-' 2/' 4*30/-./4;-' 5 , : ;,*+' 2/' 6/7, ,*+J' 07?0-' 7 60/*760 ' 2 60*' 2.03 ' /7/0 =' 52 : H 124*3 ' 0G-6,14 760J 60*3/, -' $' 2/' 760 : ' ' %%Y N=7 ' & / ' 0/,7*6. -0+ : 0*6-' T ' [' ' 2 60*' % ' 01,+=*24-' 2460/' -017 2,3' 2/' 7 ' X' 1067 2,3 ' /7/0 =' 10/,7*6.' 64;4 7/' 67 : 0*- ' /7/0 =' 30 ,*,60J 7*6.0/-' 73*760 ' ?7/=' 4-47 =' & 7*+ 03 ' (50 03' J -6= 0-' 2 60*' T ,3J 1 750*67-' 7G,0 ' : 7*= 2?4 03 ' 71-4 0' 2/' ;0//=' : 7*= -00303 ' 003-' : ,*460 ' 7 ;4 : 0*' -57*6=' 2/' $ ' B ' 0/;-' -4554 0*6J 07?0-' 7 60/*760 ' 2 60*' 4*0>47 -,303 ' 0*6,/0' 6226.03' 2.03' 2/' 3,+,6760 ' -6,14 760' ' %E($& ' 4 % 0/,7*6. -0+ : 0*6-' - : 7 ' ' 01,+=*24-' 67 : 0*-' % 22' J 7*6.0/-' 32/-,G03 ' ?7/=' 4-47 =' +71,*+' 76' 6.0' 621 ' 71-4 0' : 0 : ; /7*24-' : 7*= -00303 ' ;4 : 0*' -57*6= B 0/;-' 2/' 6/00-J 07?0-' 7 60/*760 ' -, : 1 0' 2/' 1,**760 ' 0G-6,14 760' ' ' C ' ' %<(

0708' 3 " ' 40 =* 9? 1 0 / 98?' 89:@ *8' 08' ?@> 89:@ *8 ' -*8A' ?A;4*8CO@?# ; 98 08' ?9B ; 98 08' 08' ?@C98 08# H 49 9=' / +7' C*8 9+* ' C *49;+*?# 08' 00' 49 9=' / +7' >*? *8' 08' *5 9' C *49;+*?' B>8A0' * >@B ;0@?' *;=' 4@8-9=# 08' 4A4 4* # 08' 95* >@B ;0@?' *;=' 0> R@9 ' G 7 ?' 0708' ?' * 9=' +0' " ' /"-3.%-! 8'2'5 *;=' 3 3 # %'83.3)$/!'&4

N=A, M 280/- E A 017 - 1067 - 7*3 -67,40*- 4-47 = 22 ?7/= ,* 0/,2/ 50 03 1 750*67- 17/,067 J -6,+ : 7- 4-47 = /73,76,*+ B 1,*24-7*3 07 0--D/7/0 = 07 =F -4554 0*6 1 7*6- -60 : 2 60* 0-.= 7*+ 03 2/ / , ; . 0 3 %E

$ 4O ; J 280/- Q 2/ 4*,-0G47 7 =G 2;0- % E 067 - 22 2/ - : 7 2/ $ 67 : 0*- 08 2/ 22 ?7/= T 22 50 03J -6= 0- /00 2/ 52**760 B 0/;- 2/ 4*30/-;/4;-J 07?0- >4,60 0 * 6 , / 0 %<

$ I 2O0,C 7 =G 410/,2/ T & 17/603 067 - 7*3 -67H : 0*- 25 -0/,760 01,+=*24- ?7/= ,*

0/,2 -0?0/7 50 03 : 7*= -00303J 0 : ;/=2 54/?03 ,* 24/= 7 ;4 : 0* B 4554 0*6 .0/;- 2/ 4*30/-;/4;-J 07?0- 2112-,60 2/ 7 60/*760 -, : 1 0 2 60* +2*24- 2/ 5= ,*3/,5 0G-6,14 7 6 0 %< %<T

T ,/, 280/- 4*,H -0G47 7 =G 2;0- ,*341 ,5760 ?7 ?760 67H : 0*- E $ 01,+=*24- ?7/= ,* 0/,2/ Y 50 03J -6= 0- YJ 2?4 0- 10*34 24- ,* 075. 50 /410 8,6. 6.0 755/0-50*6 57 =G : ;/=2 7**4 7/ ,* 24/= 7 ;4 : 0* B 0/;- 2/ -./4;-J 07?0- -4; 2112-,60 2/ 7 60/*760 -, : 1 0 -4554 0*6 0G-6,14 760 %< %<%

2.2/6) ! : ;0 7 0- 1 0 / 98? 89 : @ *8# @?@* A +*B9;? @?@* A =9 ; +9 -*8A ; 98 08# 00 49 9=' 0-@ 9? ?0 +*8A# C9;=@ 0@? ; 9*47# 49 80B +? +0C ?+A 9? 899 / 40;;*+9 *+ +79 >*?9' 0-@ 9? / +7 +79 40*+? 40; @9;+ / +7 +79 ;@4 9@?= 99=? * > / ; ;0@?' 9B>8A0 @?@* A B ;@+9

6 H M # T % 4 280/- 067 - , : ;/,5760 /7/0 = ?7 ?760 ?7/= T 50 03J -6= 0- T /4,6 2 3/= ,*30.,-50*6 : 0/, 57/1-JP B 0/;-60 : - 2 60* ,-64 7/J 07?0- 7 60/*760 4-47 = : 45. 3,--05603 0G-6,14H 760 J ,280/- 4 : ;0 03 /7/0 = 571,6760 %<E

% $ " " " " 280/- 067 - ?7 ?760 /7/0 =, : ;/,5760 ?7/= 22 50 03J -6= 0- T 23 2/ -6,+ : 7- -0--, 0 /4,6 4-4H 7 = 7 ;0//= 2/ 3/410 003 8,6. 7 ?0*H 6/7 /71.0 B /00- 2/ -./4;- /7/0 = .0/;-J 07?0- 7 60/*760 /7/0 = 2112-,60 4-47 = 52,* 124*3 2 60* -6,14 760J 280/- 4-47 = 4 : ;0 03 %'

E 2 /,6L 280/- Q 2/ 4*,-0G47 A 067 - ?7 ?760 2/ ,:;/,5760 ?7/= 22 50 03J -6= 0 /4,6 7 3/410 003 8,6. 7 32/-7 /71.0 B ./4;- 2/ 6/00-J 07?0- 4-47 = 2112-,60 -, : 1 0 0G-6,14 760J 280/- 571,6760 2/ 52/= : ;2-0 %'E

< %J 280/- 4*,-0G47 017 - 2 D! % ?7 ?760 ,* ;43J 2 2;-2 060 2/ 2;03 67 : 0*- %J 7*6.0/- ;7-, ,G03 ?7/= 50 03J -6= 0- TJ 2?4 0- T 52 760/7 10*34 24- 0/,= T -00303 B ./4;-J 07?0- 2112-,60 -, : 1 0 0G-6,14 760J 280/- ,* 3/221,*+ 5 7 6 9 , * - %''

$

280/- 4/*,-.03 8,6. ;26. -017 - 7*3 1067 - 6.0 7660/ 2**760

G5016,2*- B 1067 24- 7*3 12 =1067 24- -105,0- 2554/ ,* 6.0 2/30/- 4."# 9!/2'W&5 !88' 5 7*3 !/8> $/7#8'':5 7*3 12 =1067 24- 2*0- 7 -2 2554/ ,* 3,'!#/2'2'5 "#'2&2'$'$ +3 $"3.'W'5 -"3!/2'85 !9 %/7 '&&5 X5 /A3$'/5 -"#!!' 5 $-"29?/5 %'8/3'2 5 7*3 /&8/</# D 00 7 -2 6.0 0G5016,2*-62 2 =1067 -0 1 YY< F

#/

-*8A ; 98 08 G?@C98 08 ;?0B9 33)'8#/2'2"*;= ;"9 8#2+' 4 D 00 7 -0 (6/22 #'2'>5 *;= =# '&8'#@82'

2.2/6) 71/,2,7 0- 1 0 / 98? 89 : @ *8 08 889 : @ *8 +*B9;? *? B*;A *? +79 4080 * 0>9?# ;?98+9=' 0;+79 4080 * -*8A ; 98 08# 00 49 9=' 49 ? 00 0-; 9=# 99=? * >@B ;0@? 08 -98A 8*89 A 95* >@B ;0@?' 1 78@>?' 08 +899?# 8*89 A 798>?' 9*-9? 0CC0? +9 08 /708 9=# 0 +9;?+ C@ *+9' 4* A5 ;9-98 C*CC0?9

H N

TBG 5 280/- 4-47 =
,//0+4 7/ 2/2 7 2;0- , : ; /,5760 /7/0 =
?7 ?760 B A 4#4;- 2/ 6/00- /7/0 = .0/;-J
07?0-4-47 =0G-6,14 760 %'Y
HH + 280/- ?0/= /7/0 =,/H
/0+4 7/ 2/2 7 2;0- ?7 ?760 52*62/603 2/
, : ; /,5760 6= 0- T B /00- -./4;- 7*3
.0/;-J 07?0- 2112-,60 2/ 8.2/ 03 >4,60
0*6,/0 -6,14 760J -6,14 0- 07 ,90 ,* 2*0
6/,;0 %&

0708 3 " ?+98* 9? 1C0/98? 89:@ *8 08 889:@ *8 @; ?95@* # @?@* A 40 94+9=
; ;-0 @48*+9 79*=? +*B9;? *? B*;A *? +79 4080 * 0>9?# 8*89 A 9/98# ;?98+9= 0; +79
4080 * -*8A ; 98 08# H 49 9=# H 0-@ 9= G08 M 49 9=# / +7 0;9 49 0; A 0-@ 980@?I
1 98>? 08 ?78@>?# 8*89 A +899?9*-9? 95?+ C@ *+9 B> 0 +79 4* A5 @?@* A 89=@49= +0 *
C*CC@? 08

BBb 1 % 280/- ,//0+4 7/
2/2 7 2;0- , : ; /,5760 67 : 0*- *- : 7*=
7- 6.0 52/2 7 2;0- 2/ 080/ ?7/=(50 03
50 - 2?4 03 2*0 0 : 16=J -6= 0 J 2?4 0
10*34 24- 003 0G7 ;4 : ,*24- B 0/;-J
07?0- 2112-,60 -, : 1 0 2/ 3,?,303 0G-6,14H
760 %&&
7@ 280/- /0+4 7/
2/2 7 2;0- ?7 ?760 67 : 0*- 7- : 7*= 7-
6.0 52/2 7 2;0- ?7/= 00 03 J 2?4 0
10*34 24- 003 7 ;4 : ,*24- B 0/;-J 07?0-
7 60/*760 OG-6,14 760J 2O0/- ,* ,*?2 45/760
].073- %Y
/ 0 280/- ,//0+4 7/
2/2 7 2;0- , : ; /,5760 67 : 0*- 4-47 = %
?7,= 50 03J ?4 0 10*34 24- 003
7 ;4 : ,*24- B 0/;-J 07?0- 2112-,60 0G 6,
14 760J 280/- 4-47 = ,* ,*?2 45/760 .073-
/7/0 = ,* 7G, 7/= 8.2/ - ,*?2 45/760 %Y(
TT - 280/- 4*,-0G47 2/
E 2/2 7 2;0- ?7 ?760 67 : 0*- 7- : 7*=
7- 6.0 52/2 ,7 2;0-J 7*6.0/- 4-47 = -=*+0
*0-,24- ?7/= 50 03J 2?4 0 0/056
003 0G7 ;4 : ,*24- B 0/;- 2/ - ./4;- /7/0 =
6/00-J 07?0- 4-47 = 7 60/*760 0G-6,14 760J
280/- : 7 2/ : ,*460 ,* ,*?2 45/760 .073-J
2 60*3, : 2/1.24- %YE
TT7 D T< F & ! K 280/- -4;H
/0+4 7/ ,* 7* *?2 45/760 .073 2/2 7
.=12+=*24- 2;0- ?7 ?760 67 : 0*- .=12
+=*24- ?7/= 50 03 2?4 03J -6,+ 7
,*34-,760J 2?4 0 0/056 /4,6 7 46/,5 0
003 0G7 ;4 : ,*24- B 571,+0/24- ./0;-J
07?0- 7 /73,57 E$Y

0708 3"6 *BC*;* 9? 1 0/98? B0? 3:$'8 889:@ *8# 8*89 A @; ?95@* 08 40 E
94+9= ;+7 ;-0 @48*+9 79*=? +*B9;? *? B*;A *? +79 4080 * 0>9? 08 9/98 -*8A
N 49 9=# 8*89 A H 49 9= ? +A *? BC 9# ?+ :B* 0 +9; ;=@? *+9 0-@ 9? ;@B980@? ;+79
49 ?# 8*89 A ?0 +*8A

C T(6 G, L 2806- ,//0+4 :? 2H
/2 7 2;0- , : ; /,5760 67 : 0*- T 01,+=*24-J
, 7 : 0*6- 52* 40*6 8,6. 6 -6= 0 ,* 7 2*+
52 4 : * 8.,5. ,- 54/?03 7*3 ,//,67; 0 76 6.0
621 ?7/= T 50 03 71-4 0 -016,5,37
003- 7 ;4 : ,*24- B 0/;- /7/0 = 4*30/H
-./4;-J 07?0- -57660/03 2/ 8.2/ 03 0G-6,H
14 760 N
T(7 D $(F 2 6 !, 280/-
-4; /0+4 7/ 52/2 7 2;0- , : ; /,5760 67 : 0*-
J 52**056,?0 ;/273J 7*6.0/ 50 - -,*424-
?7/= ,* 0/,2/ T 50 03J 1 750*67- 2* 6.0
-0164 : 7*= 2?4 03 71-4 0 8223=
?7 ?03 003- 7 ;4 : ,*24- B ?0/+/00* 6/00-
3 -./4;-J 07?0- 2116-,60 0G-6,14 760 NQM
T% 622 ,, 280/- ,//0+4 7/
2/2 7 01,+=*24- 2/ 10/,+=*24-J 2;0- ,*
341 ,5760 ?7 ?760 67 : 0*- E 01,+=*24-
?7/= T % 50 03J 50 - 22 2?4 03J -6,+H
: 7 ,*34-,760 /4,6 7 3/410 ;0//= 2/ 571-4 0
003- 7 ;4 : ,*24- B 0/;- /7/0 = -./4;;=J
07?0- 7 60/*760 0G-6,14 760 E$'
B?/ K $ D 00 H * I Q
T< : 280/- /0+4 7/
/7/0 = ,* 7* ,*?2 45/760 .073 2/2 7 01,
+=*2 - 2;0- ?7 ?760 67 : 0*- 01,+=*24-
?7/= T E 50 03J 50 - : 7*= 2?4 03J -6= 0
2 60*4/*,-.03 8,6. 52 056,* + .7,/-J -6,+ 7
*26 ,*34-,760 /4,6 571-4 7/ 003- 7 ;4H
: ,*24- B 0/;- 4-47 = : , 9=J 07?0- /7/0 =
2112-,60 -, : 1 0 0G-6,14 760 H6
T 2/2 7 01,+=*24-

' %' % ' G ' ' % I H O

2;0-' ?7 ?760' 67 : 0*-' 01,+=*24-' 2/' 01, ' 7 ;4 : ,*24- B 0/ ;-' /7/0 =' -./4 ; ;=' 4-47 =' 1067 24-' 52 ; 0/,*+' ,*' 7' 64 ;0' ?7/=' (' : , 9=J' 07?0-' 7 60/*760' 2/' /73,57 ' 0G-6,14 ' 50 03J' -6,+ : 7' *26' ,*34-,760J' 50 -' ,*7*=' 760' E T 2?4 03' /4,6' 7' 571-4 0' 2/' ;0//=' 003-

' ' * '2/'

-*8A' ?@C98 08# ; 98 08' ;' 6/22#8#' 2'' *;=' ?0B9' "# 9!/2'2'5' +-"&#8'2'5' $-"/2'2&5' *;=' '&8'"'/2'2'' G 99' * ?0' 9549C+ 0;?'+0' 98 9?' I

,' !28('"'& 9&9/$!-' "'79!/"

0708#' 3 3' 8 4* 9? 1 080 *' 7AC0:A;0@?' +*B9;?'*?' B*;A' 08'+/ 49'*?' B*;A'**' +79' 4080 * 0>9?# 9C C9+* 0@?' 08' 7AC0:A;0@?' -*8A' 22' 49 9='' 49 ?' 22' 0-@ 9='' ?+ :B*' ? BC 9# 9;+ 89' 08' 0>9='' 99=?' B ;@+9

NE\' " " "' 2/2 7' .=12+=*24-' I : 2*2' /7/0 =' 12 = 1067 24-J 2;0-' % E' 52*H 62/603' 2/' , : ;/,5760' 67 : 0*-' & $' /7/0 = % <J' 7*6.0/-' T 50 03' 210*,*+' ;=' 60/ : ,*7' 12/0-' /7/0 =' ;=' - ,6-' ' ,-9' + 7*34 7/' /4,6' 7' 571-4 0' ;0//=' 2/' 3/410' 003-' 7 ;4 : ,*24-' P B ./4 ;-' 2/' 6/00-J 07?0-' 2112-,60' 2/' 7 60/H *760' 4-47 =' 0?0/+/00*' 0G-6,14 760' ' E % J' NEA' ' 2/2 7' .=12+=*24-' : 2*2' 2/' 12 = 1067 24-J 2;0-' % E', : ;/,5760' 67 : 0*-' & $' .=12+=*24-J 7*6.0/-' T ' 50 03' 210*,*+' ?7/,24- =' ,-9' + 7*34 7/' ' 71-4 0' 254 ,5,37 =' % E ?7 ?03' 003' 8 ,6.' 7' 22-0' 60-67' 7*3' 4*3,?,303' : ,*460' 0G7 ;4' : ,*24-' 0 : ;/=2 B 7/7-,6,5' 0-.=' ;/28*' 07 H 0-' . 0 / ; - E ' ($ 2 1 ' 2/2 7' .=12+=*24-' 12 =1067 24-' 2/' *07/ =' -2J' 1067 -' <', : ;/,5760' 67 : 0*-' $' .=12+=*24-J 7*6.0/-' T 50 03' 210*,*+' ;=' 12/0-' 2/' - ,6-' ,-9' + 7*34 7/' 71-4 0' 254 ,5,37 =' (E ?7 ?03' 003-' 8 ,6.' 7' 22-0' 60-67' 7*3' : ,*460' 4*3,?,303' 0G7 ' ;4 : ,*24-' 0 : ;/=2' B' 0/0**,7' -571,+0/24-' .0/;-J 07?0-' 7 60/*760' 0?0/+/00*' 0G-6,14H 760' E Y

(' 1 %J% 2/2 7' 01,+=*24-' : 2' *21067 24-J 2;0-' % E < ' , : ;/,5760' 67H : 0*-' & $ T' 01,+=*24-J' 7*6.0/-' T 20 03' 210*,*+' ;=' 12/0-' 0//=' % $ 50 03' : 7*=' -00303' 003-' 7 ;4 : ,*24- B ./4 ;-' 2/' 6/00-J 07?0-' 7 60/*760' 0G-6,14 760' ' ET$ (T' C % ' 2/2 7' .=12+=*24-' : 2*21067 24-J 2;0-' % E' ?7 ?760' 2/' , : ;/,H 5760' 67 : 0*-' .=12+=*24-' 2/' 01,1067 24- % E' /7/0 =' & $J' 7*6.0/-' 50 03' 210*,*+' 2*+,643,*7 =' ,-9' 541 -.7103' 2/' + 7*34H 7/' ?7/=' T 22 50 03J' 50 -' 22 2?4 03' /4,6' 7' 571-4 0' 2/' 3/410' 003-' 7 ;4 : ,*24- B' ./4 ;-' 2/' - : 7 ' 6/00-' 07?0-' 7 60/*760' /7/0 =' 2112-,60' 2 60*' 076. ,90' -2 : 06, : 0-' -.076.,*+' 0G-6,14 760 ETT ((' 4 % 3 /2 7' : 2*21067 24-' .=12+=*24-J 2;0-' <' , : ;/,5760' 67H : 0*-' E' 01,1067 24-' 2 60*' 7 60/*76,*+' 8 ,6.' -67 : ,*230-J 7*6.0/ 50 -' T ?7 ?03' ,-9' $' 71-4 0' (% 50 03' 254 ,5,37 =' (% ?7 ?03' 003-' 7 ;4 : ,*24-' 60-67' ,/ :' 2/' 7G B : 7' ./0;-J 07?0-' 7 60/*760' 5/28303' 2/' -57660/03' 0?0/+/00*' 0G-6,14 760 ' ET%C

0708#' 33' L 8 B@*9 1 080 *' 89:@*8# 7AC0:A;0@?# 8*89 A' 9C :A;0@?# B0;0' 8*89 A' C0 A C9+* 0@?' +*B9;?' 9R@* ;:' +79' 4080 * 0>9?' *;=' 0CC0?+9' +0' +79B# 08' ' B089## 0;9)?98 9?' * /*A?' 0CC0?+9' +79B# 7AC0:A;0@?' 08' 9C C9+* 0@?' -*8A' H 49 9=# / +7' 899' >*?*' C *49;+*+ 0; 1 98>?' 08'' ?78@>?# 8*89 A' +899?' 9*-9?' 8*89 A' 0CC0?+9# 95 ?+ 2 C* *+9' : .Y a

(%' 6, P@C 2/2 7C,.2*2 12 =C'C 1067 24-' .=12+=*24-J 2;0-' CEC 52*62/603' 2/' , : ;/,5760' 7*,;/,-' CE' .=12+=*24-' 2/' 01,1067 24-' ?7/=C 50 03J' -6= 0-' & EJ' 2?4 0' ' 10*34 24-C /2:' 7C ;7-7' 4* 5 0' /4,6#C :0:; 7* 4-' ,*5 ,,303',*' 6.0' 67 =G C : ;/=2' -6/7,+.6',*' 624/=' 7 ;. : 0. B 0/;-C' -2 : 06, : 0-' -./4 ;-' =' ;0 2 8 J 07?0-' 7 60/*760' 0G-6,1* 760' .9-0' 2 60*' 7 : 1 0G,574' C ' <W (2 # 0,,64* , ' 2/2 7' : 2*2106-324-C V .=12+=*2*-' /7/0 =' C 01,+=*24-' C/7/0 =' $J' C I 2;0-' % E' 52*62/603' 2/' , : ;/,5760J' 67 : 0*-' A

% E '2112-,60' 6 ,0' 02/2 7 2;07' ??7?=' /7/0 =' ,,\ 0/F9F/' U50 03J 1 750*67' 50*6/7 ' + 2;2-0' *,7*= 2?4 03' 71-4 0' (< ?7 ?03' 003-' 7 ;4 : ,*24- B 0/ ; -J 07?0-' /73,57' 7 60/H *760' 2112-,60' 2/' 8 .2/ 03' X <T& (<' ' 2/2 7' : 2*2 ' /7/0 =' 12 = 1067 24-' ;=12+=*24-' 2/' 01,+=*24-J 2;0-' % E ' 4-47 =' 52*62/603' 67 : 0*-' % E 01,1067 24-' 2112-,60' 6 . 0' 52/2 7 2;0-' 2/' 1067 -' -2 : 06, : 0-' 7 60/*76,*+' 8 ,6 .' -67,*, ' *230-' ?7/=' 50 03J 1 750*67' 50*6/7 ' + 2;2-0' /4,6' 7' '2/' 08 -00303' 3/410' 2/' ;0/,=' /7/0 =' 7' 2 ,5 0' 003-'7 ;4 : ,*24- B' /00-' 2/' -./4;-J' 07?0-' 4-47 =' 7 60/*760' X+ 7*3 326603' 0G-6,14 760 E(

2.2/6')) ' ;0*7 0-' 080 *' B0;0 C0 A C9+* 0@?# >AC0:A;0@?' 08' 9C :A;0@?# 8*89 A' C98 :A;0@?' +*B9;?' @?@* A' B*;A' BO89' +7*;'+79' 4080 * 0>9?# '9R@* ;:' +79B' * +98;*+9' / +7' +79B' G9549C+' /.3#' ' -* A' 00 49 9=*' 49 ?' @?@* A' 9 / 0-@ 9=' 8@ +' 8*89 A' 4*C?@ *8 1 78@>?' 08' +899?' ' 9*A9?' * +98;*+9# 95?+ C@ *+9

('' = 4 % 2/2 7' : 2*21067 24-' ;=12+=*24-J 2;0-' % &', : ;/,5760', *' ' 2/' T' -0/,0-' 67 : 0*-' 0>47 ,*+' 6 .0' 52/2 7 2;0-' 7*3' 2112-,60' 6 .0 : ' 8 ,6 .' 7 60/*76,*+' 067 : , ' *230-' 2/' : 7*=' 7*3' T -0/,760J 7*6 .0/-' 4-47 =' 0G6/2/-0' ?7/=' : 7*= 50 03J 50 -' 2?4 03' /4,6' 7' \' -00303' ;0//=' 003-' 8,6 .' 7' 6 .,59' 2 60*' .7/3' -.,*,*+' 60-67' 2*+' ;/273' ., 4 : ' -57*6=' 0-.=' 7 ;4 : 0*' 7*3' 7/+0' 0 : H ;/=2 B /00-' 2/' -./4;-' 8,6. : , 9=' 4,50J' 07?0-' 7 60/*760' >4,60' 0*6,/0' 0G-6,14 760' ' E(E (&' -) , ' 2/2 7' : 2*21067 24-' ;=12+=*24-J' 2;0-' ('' 52*62/603 , : ;/,5760' 67 : 0*-' ;=12+=*24-' 2/' 01,1067 24- T %'6, : 0-' 7-' : 7*=' 7-' 6 .0' 52/2 7 2;0-' 2/' , '0>47 '7 60/H *76,*+' 8 ,6 .' 6 .0 : ' 2/' 22' E 7*6 .0/-' ,*6/2/-0' ?7/=' ($$' 50 03J 2?4 0-' T' ,*' 075 .' 50 ' 10*34 24-' 0*=' + 2;2-0' 2/' 2?2,3' 08 ' -00303' : ;/=2' -.2/6' ,*' 521,24-' 57/6, 7H +,*24-' 7 ;4 : 0* /00-' 2/' -./4;-' J 07?0-' 7 60/*760' 52/,75024-' 0G-6,14 760' >4,60' 0*6,/0' <(' (Y' ' 2/2 7'-4; 12 =1067 24-' ;=12+=*24-J 1067 -'E' 52*62/603' 2/' 52*?2 460' 67 : 0*-' <' 2/' $' ;=12+=*24-J 7*6 .0/-' ,*H 6/2/-0' ,-9' $' ?7/=' T % 50 ,03' E 2?4 0-' $$' ,*' 075 .' 50 ' 10*34 24-' /4,6' 7' 571H -4 0' 2/' 3/410' : ;/=2' -6/7,+ .6', *' 0-.=' 7 ;4 : 0* B ./4;-J' 07?0-' 7 60/*760' : 0 : H ;/7*24-' >4,60' 0*6,/0' 0G-6,14 760' ' E($ %$' = " 44% 2/2 7' : 2*2 12 = ' 1067 24-' 10/,+=*24-' 2/' 01,+=*24-J 2;0-' 2/' 1067 -' < ' ' , : ;/,5760' ?7 ?760' 2/' 52*H 62/603' 67 : 0*-',*-0/603' 76' 6 .0' ;7-0' 2 ' 6 .0' 52/2 7' E $$' 22' 0/,760' /00' -57660/03' 2/' 7-5,5 03' 2/' 22 730 1 .24-J' 7*6 .0/-',*6/2/-0' ?7/=' T 'E 50 03' J 50 -' 22' 2?4 03J 2?4 0-' ?7/,24-' ,*' ,*-0/6,2*' 7*3' 3,/056,2*' 4110/' 2/' 7 '10*34 24-' /4,6' 0-.=' 2/' .7/3' 50 03' 08 -00303' : ;/=2' -6/7,+ .6', *' 0-.=' 7 ;4 : 0* B ./4;-' 2/' 6/00-' J 07?0-' 7 60/* 60' 0G-6,14 760' ' E%

070 +' 33 ' 9;+ *;* 9? 1 080 *' B0;0' 8*89 A' ?@> C0 A C9+* 0@?# >AC0:A;0@? +*B9;?' 9R@* ;:' +79' 4080 * 0>9?' 08' 9/98#' * / *A?' ;?98+9=' 0;' +>9' 4080 *# *;=' @?@* A' ;4 @=9=' ;' +?' +@>9' -*8A' @?@* A' ?A;4*8CO@?' *;=' 49 9= 1 98>?' ?78@>?' 08' +899?' 9*-9?' -98A' 8*89 A' * +98;*+9# 08' ?+ C@ *+9

% ' $ D+ , ' 2/2 7 2;0-' E & ', : H ;/,5760' 67 : 0*-' T' ?7/=' T 50 03' J 0 -' T 2?4 03' /4,6' 7' ;0//=' 2/' 571-4 0' 003-' 0G7 ;4 : ,*24- B ./4;-' 2 60*' 5 , : ;,*+' 2/' 6/00-J 07?0-' 2112-,60' 2/' 7 60/*760' -, : 1 0' 2/' ' 2 ,2 760' 0G-6,14 760' E%(%T' # %J% 2/2 7 2;0-'%' G0' 52/2 7' F' ?7 ?760' 67 : 0*-' T' ,*-0/603' 2*' 6 .0' 52/2 7' 2/' ;=12+=*24-' ?7/=' T 50 03J 50 -' T (2?4 03' /4,6' ?7/,24-' 003' 7 H ;4 : ,*24- B ./4;-' 2/' 6/00-J 07?0-' 2112-,60 -, : 1 0' 2/' 52 : 124*3' 0G-6,14 760' ' E%E %(' = 5 %' 2/2 7 2;0-'%',,4 ;/,5760' 67 : 0*-' %' 7 60/*760' 8,6 .' 6 .0' 52/2 7 2;0-' ,-9' % 2;03' ?7/=' T' 50 03' J 2?4 0-'+0 : ,*760', *' 075 .' 50 ' /4,6' ,*30 .,-50*6 B ./4;-' 2/' 6/00-' J 07?0-' 2112H -,60' J -6,14 0-' : ,*460' ' ' ' ' E% %%' # %J% 2/2 7 2;0-'52*62/603' A' 2/' ?7 ?760' 67 : 0*-' 7-' : 7*=' 7-' 6 .0' 52/2 7' 2;0-' J 7*6 .0/-' 2 60*' -7+,66760J 12 0*' +/7H *4 7/' 7/10 -' T' 3,-6,*56' 2/' 52 .0/,*+' J -6= 0

76 6 . 0 6,1- , -9 7**4 7/ 2/ 5414 7/ ?7/= 2 ; ;,17/6,60 50 03 57/10 - J -6= 0 +=*2 ; 7-,5 -6,+ : 7 -, : 1 0J 2?4 0- 10*34 24- /4,6 2 %*454 0- 2/ 7 %1=/0*03 3/410 : ;/=2 4-47 =0G7 ;4 : ,*24-J 526= 032*- 76 B 0/;- /7/0 =- ./4;- 4-47 =. ,-1,3 2/ 1/,59 =J 07?0- >4,60 0*6,/0 , * 2/0-50*50 -02/1,2,3 E$Y

EE 2 \, E(2/2 7 2;0-% E 52*H 62/603 67 : 0*- EJ , 7 : 0*6- 4-47 = 2*+ 0G-0/603J 7*6.0/- 3,-67*6 ,-9 7**4 7/ 2/ 571-4 7/ ?7/=% & 50 03 J -6= 0 2/903 2/ 68,50 2/903 76 6.0 621 J 2?4 0- 10*34 24- 2/

0/056 P ,C410 8,6. 7 2/ % & 55 03 -62*0 : ;/=2 0G7 ;4 : ,*2.-J 526= 032*- 2*+,64H 3,*7 = 2 303 B /00- 2/ -./4;-J 07?0- -57;/24- $dP" ND= # 2/2 7 2;0- E $ 2 303 67 : 0*- EJ , 7 : 0*6- - 0*30/ 0G -0/623 ,-9 0-.= 7/10 - *4 : 0/24- 3,-6,*56 5/28303 2**6.0 /0501675 0 55 03 2?4 03 6= 0 -, : 1 0 J -6,+ : 7 571,6760 J 2?4 0 0/056 /410- 3,-6,*56 J 0 : ;/=2 54/?03 ,* 0-.= 7 ;4 : 0* B 0,;-J 07?0- +0 : ,*760 >4,60 0*6,/0J 1034*5 0- -2 ,67/= 7 G , 7 / = E'% E $

2.2/6)) 2 7*7 0- B 2/2 7 *,2*21067 24- .=12+=*24- /0+4 7/ 2/ 2; ,>40 67 : 0*- 7- : 7*= 7- 6.0 52/2 7 2;0- 01,1067 24- 0>47 2/ 4*0>47 ?7/=C T 505 06 -=* 57/126 J 50 - ?0/= *4 : 0/24- ?0/= : 7*=C 2?4 03 B 0/;- # -./4;- 2/ 6/00-J 07?0- 7 60/*760 2/ +0 : ,*760 /7/0 = 2112-,60 0G-6,14 760

<' 2. ! 2/2 7 2;0- %' 2/ E ,* 341 ,5760 2/ 52*62/603 67 : 0*- % < ,*H 5 4303 2/ 0G-0/603 J , 7 : 0*6- -.2/6 2/ 2*+ ,-9 7**4 7/ 5414 7/ 2/ $?7/= 50 03 1 750*67- 2*6.0 -0164 J -6= 0 -, : 1 0J 2?4 0- 0/= *4 : 0/24- /4,6 7 T 50 03 571-4 0 2/ ;0//C : ;/=2 54/?03 2/ 7**4 7/ ,* 0-.= 7 ;4 : 0* B 0/;- /7/0 =C -./4;-J 4110/ 07?0- 2 60*+0 : ,*760 <'E

E& ! 2/2 7 2;0- % E ,*H 341 ,5760 67 : 0*- % E ,*5 4303 ,-9 7**4 7/ 2/ 5414 7/ ?7/= T 50 03J 1 7H 50*67- 2*6.0 -0164 : J -6= 0 -, : 1 0 J -6,+ : 7 571,6760J 2?4 0- 08 2/ : 7*= /4,6 7 571-4 0 2/ ;0//= : ;/=2 -6/7,+.6 7 ;4H : ,*24- B ./4;- 2/ 6/00- E T

PP 0# 4 +"# # D

2.2/6)) 0/-2*7 0- B 2/2 7 : 2*21067 24- .=F2+=424 - 2 60* T .,;,760 67 : 0*- 08E J 6.7* 6.0 52/2 7 2;0- # 7- : 7*= 4*0>47 : 2-6 2 60* % 3,3=*7/724- 2/ T ?7/= T ?0/= /7/0 = % 50 03 J -6= 0 -, : 1 0J -6,+ : 7- B J 2?4 0- 4-47 = ?0/= *4 : 0/24- : ,6 4-47 = 571-4 7/ B 0/;- /7/0 = -./4;- 2/ 6/00- J 07?0- 0G-6,14 760

<Y 5,$: -, 2/2 7 2 60* T ,1103J 2;0- ,: ;/,5760 2/ 2 303 67 : 0*- % 3,3=*7 : 24- 2/ T ?7/= T 50 03J 1 7 20*67- 2*6.0 -0164 : J -6= 0 -, : 1 0J -6,+ : 7- TJ 2?4 0- 30 ,*,60 2/ 22 /4,6 7 571-4 0 /7/0 = 7 ;0//= : ;/=2 -6/7,+.6 2/ 54/?03 7 ;4 : ,*24- B 0/;- ?0/= /7/0 = -./4;- 2/ 6/00- J 07?0- 2112-,60 7 60/*760 2/ 8.2/ 03 -, : 1 0 <&(

<$ < ! 2/2 7 - ; /0+4 7/ J 2;0- , : ;/,5760 67 : 0*- E 4*0>47 0G-0/603J 7*6.0/- -4; 50 03 ?7/= T 0 03J A1 750*67- 2* 6.0 -0164 : 7*= 2?4 03 71-4 0 T ?7 ?03 : ;/=2 -6/7,+.6 J 7 ;4 : ,*24- B 0/;- J 07?0- 7 60/*760 E&& < ! 4@ 2/2 7 T ,1103 J 2;0- , : ;/,5760 67 : 0*- T ,*5 4303 @

7*6.0/- 50 03 ?7/= 50 03 J 1 750*67 + 2;2-0 ;7-7 : 7*= 2?4 03J -6,+ : 7 ,1103 /4,6 571-4 7/ : ;/=2 -6/7,+.6 4*3,?,303 0G7 ;4 : ,*24- B 571,+0/24- .0/;- 2 60* 276,*+J 07?0- /73,57 0*6,/0 2/ 571, 7/= 7*3 : 4 6, 3 E&Y

<T 5* ! 2/2 7 T ,1103J 2;0- , : ;/,5760 67 : 0*- % 3,3=*7 : 24- ,-9 0-.= ?7/= /7/0 = 50 03J 1 750*67- 17/,067 : 7*= 2?4 03 71-4 0 T ?7 ?03 : ;/=2 : ,*460 ,* 0-.=7 ;4 : 0* 7/7-,6,5 07 0--.0/;- EY 2)! ! 00 T(' * EY(NO@ ' 1 2/2 7 : 2/0 2/ 0--] ,1103 .=12+=*24- 10/,+=*24- 2/ 01,+= *24-J 2;0- , : ;/,5760 67 : 0*- 4-47 = %' 3,3=*7 : 24-J 7*6.0/- 2 60* 52.0/,*+

,-9' 7**4 7/' 2/' 4*, 760/7 ' ?7/=' 50 03' -410/,2/J 1 750*67-' ' 17/,067 ' ,*7*= 2?4 03' /4,6' 7' ;0//=' 2/' 571-4 0' 003-' : ,*460' : ; /=2' -6/7,+.6' 7 ;4 : ,*24-' 2/'* 6 B 0/;-' /7/0 =' -./4;-J' 07?0-' 4-47 =' 2112-,60' 2/' A8.2/ 03' 0G-6,14 760' ' ' ' C ' ' EYE NOD') - ! ' 2/2 7' *07/ =' /0+4 7/ /26760' J 2;0-' E', : ; /,5760' 67 : 0*-' E' -4;H 0>47' J 7*6.0/-' 8,6.' -.2/6' 60/ : ,*7' -,6-' ?7/=' 50 03J 1 750*67-' 17/,067 ' : 7*= ' 2?4 03' 71-4 0' -016,5,37 =' T ?7 ?03' 003-' : ,*460' .,-1,34 24-' : ; /=2' -6/7,+.6' 7 ;4H : ,*24- B ' -571,+0/24-' .0/;' # ' ' ' E$Y << ' , 12 , ' 2/2 7' 4-47 =' T ' ,1103J 2;0-' E', : ; /,5760' 67 : 0*-' 4-47 =' %' 3,3=*7 : 24-' 2/' T' V ,-9' + 7*34 7/' ?7/=' 50 03' 8,6.' 17/,067' 1 750*67-' 2/' 00 03' 8,6.' 1 750*67-' 7 2*+' 6.0' 03+0-' 2 '6.0' -0164 : J 2?4 0-' ' 71-4 0' T ?7 ?03' 003-' 7/+0' , : ; /,5760 ¢4-47 =' ; /273 =' 8,*+03' : ; /=2' -6/7,+.6' 0G7 ;4 : ,*24-J 526= 032*-' ; /273' 76 P /00-' 2/' -./4;-' /7/0 =' .0/;-' 0/056' 2/' 5, : ; ,*+J 07?0-' 4-47 =' 2112-,60' 2 60*' 52 : 124*3' 7*3' 5,//.2-0' 0G-6,14 760' ' <$$ <' ' 4 % 2/2 7' -4; T ,1103' J 2;0-' , : ; /,5760' 67 : 0*-' %' 3,3=*7 : 24-

,-9' 7**4 7/' ?7/=' ' 2/' -14/,24-=' T % ' 50 03J' 1 750*67-T % ' 17/,067 ' : 7*= 2?4 03 /4,6' 8223=' 2/' 0-.=' ,*30.,-50*6' 003-' 7/+0' ;4/,03',*' 14 1J 0 : ; /=2' 0G7 ;4 : ,*24-J 526= 032*-' 0-.= B /00-' 2/' -./4;-J 07?0-' 7 60/*760' 2112-,60' 2/' 8 ; 2,,03' 0G-6,14 760' ' <$(' $&' $ # ! K' 2/2 7' 4-47 =' T ' ,1103J 2;0-' , : ; /,5760' 2/' 68,-603' 67 : 0*-' %' 3,3=*7 : 24-' 2/' T' ,-9' 5414 7/' 2/' 7**4 7/' ?7/=' T 50 03J 50 -' 22' 2?4 03J' 1 750*67-' X4-47 =' 2*' 6.0' -0164 : J 2?4 0-' 2 60*', *-0/603' 2*' 1/250--0-' 2 ' 6.0' 1 750*67' 71-4 0' T ' 7 ?03' : ; /=2' 0G7 ;4 : ,*24-J' 526= 032*-' 7/+0' 2 : 06, : 0-' 5/4 : 1 03 B 0/;-' /7/0 =' -./4;-J *230-' 64 : ,3J 07?0-' 2112-,60' 2/' 8.2/ 03C' 0G-6,14 760 <$% <Y' !6 ' 2/2 7' T ,1103J' 2;0-' -' , : ; /,5760' 67 : 0*-' %' 3,3=*7 : 24-' 2/' T' J 7*6.0/ 50 -' -.2/60/' 6.7*' 6.0' 52**056,?0J 6,1' + 7*34 7/' ,-9' 7**4 7/' 2/' 5414 7/' ?7/=' % 50 03J -6,+ : 7' 7 : 0 760' J 1 7H 50*67-' 7G,0' 2/' 17/,067 J 2?4 0-' 08' 2/' : 7*= ' /4,6' 7' 571-4 0' 2/' 3/410' 2 60*' 2 ' /0 : 7/97; 0' 2/ : ' : . =2' -6/7,+.6' 0G7 ;4 : ,*24-' 2/' *07/ =' -2 B 0/;-' 8,6.' ?0-,54 7/' 7*3-J 07?0-' 2112-,60' 2/' 7 60/*760' 0G-6,14 760' ' <$'

2.2/6')) ' 77,,7 0- B 2/2 7' 4-47 =' TP ,1103' /7/0 =' -4; /0+4 7/' 2/' >4,60 /0+4 7/' ,=12+=*24-' 67 : 0*-' 080/' 6.7*' 6.0' 52/2 7 2;0-' /7/0 =' 7-' : 7*=' 4*0>47' : 2-6' 2 60*' %' 3,3=*7 : 24-' 2/' T' ?7/=' T % 50 03' J -6= 0' -, : 1 0 J 2?4 0-' -2 ,67/=' ,*' 6.0' 50 -' D/7/0 =' T' 2/' : 2/0' ,*' 2 : 0' >) J 7*3' /' /4,6' 7*' ,*30.,-50*6' TB% 50 603' 3/410' 2/' 2 ' T % ' *454 0- B 07?0-' 0G-6,14 760

'$' ! / 62 , L' 2/2 7' -4; /0+4 7/ 2/' T ,1103' J 2;0-' E', : ; /,5760' 67 : 0*-' %' -4; 0>47' 2/' 3,3=*7 : 24-' J' 746.0/ 50 -' 52*H 40*6' ?7/=' 2 ' T' 57/10 -' 4-47 =' % 50 03' 8,6.' ' 2?4 0-' ,*' 075.' 50 ' -017/7603' ; =' 7' -0164 : ' /4,6' 7' T % 50 03' 3/410' : ; /=2' =,*3/,5' ,*' -57*6=' 7 ;4 : 0*' B' ./4;-' 2/' 4*30/-./4.-' 07?0-' 7 60/*760' 2 60*' + 7*3 ' 32660 3' ' < $ ' ' / K' 2/2 7' -4; /0+4 7/' 2/ T 7;,760J 2;0-' % E', : ; /,5760' 67 : 0*-' %' -4; 0>47' 2/' T' J 7*6.0/-' 50 03' ?7/=' T ' 50 03J -6,+ : 7' -,,11 0' J 2?4 0-' ' 10*34 24-' ,*' 075.' 50 ' /4,6' 2 ' ' 2/' T' 4*0>47' 75.040-' 2/' 46/,5 0-' : ; /=2' -6/7,+.6',*' 0-.=' 7 ;4 : 0* B 0/;-' 2/' 4*30/-./4.-' J 07?0-' 7 60/*760' 7-5,5 03' 2/' -4; 2112-,60' * 7 / / 2 8 < N7E' ! . ' 2/2 7' -4; /0+4 7/' J

2;0-' E', : ; /,5760' 67 : 0*-' %' 0>47 J , 7 : 0*6-' - 0*30/' 0G-0/603J 7*6.0/-' 50 03 ?7/=' 3,27/10 7/=' T 50 03J 50 -' ' 2?4 03' 2/' 2*0' 50 ' 0 : 16=J' -6,+ : 7' -, : 1 0 J 2?4 0' ' 0/056' /4,6' 7' -00303' 46/,5 0' 2/' T 50 03' % ?7 ?03' 254 ,5,37' 571-4 0' : H ; /=2' -4; 5= ,43/,5,*' 0-.=' 7 ;4 : 0* B 076.H ,90' -./4;-' J 07?0-' 8.2/ 03' ' < (' X ' (' < !! K6' 2/2 7' /0+4 7/' 2/' = 'T ,1103J' 2;0- % E', : ; /,5760' 67 : 0*-' %' 3,3=*7 : 24-' 2/' T' ?0/=' /7/0 =' EJ' 7*6.0/-' T '50 03' ?7/=' T % & 50 03J -6,+ : 7' -, : 1 0' 2/' ,3J 2?4 0-' ' 2/' +0 : : 760' ,*' 075.' 50 /4,6' 7' 3/410' 8,6.' T %' T 50 03' 1=/0*0-J' 2/' 7' % 50 03' ; 0//=' : ; /=2' -6/7,+.6',*' -57*6=' 7 ;4 : 0*' J 526= 032*-' 2 ,75024- B' 0/;-' -./4;-' 2/' 6/00-J 07?0-' 2112-,60' 2/' 8.2/ 03' /7/0 =' 7 60/*760' -, : 1 0' 2/' 52 : 124*3' E '%' ,2 , , ' 2/2 7' T ,1103J

$ T

2;0-, : ;/,5760 67 : 0,77 % 3,3=*7 : 24-J 7*6.0/ 0 9 52* 40*6 ?7,= 50 03J-6= 0 - 0*30/ -6,+ : 7 -, : 1 0 P2/ 2 ; 03 J 2/4 0 -2 ,67/= 10*34 24- 7/=21-,- ,*?0-603 ;= 6.0 57 =G : 45/2*760 : ; /=2 -6/7,+.6 ,* 0-.= 7 ;4 : 0* B 0/ ;- 2/ - ./4 ;-J 07?0- 7 60/*760 >4,60 0*6,/0J 280/-, * 7*, *?2 4 5/760 . 0 7 3 $ &
'E M %J 2/2 7 T ,1103 /7/0 = -4 ; /0+4 7/J 2;0- T < , : ; /,5760 67 : 0*- %3,3=*7 : 24- /7/0 = -4 ; 0>47 2/ TJ 7*6.0/ 50 - 2 60* 52* 40*6 76 6.0 6,1 -2 : 06, : 0- -017/7603 ,-9 6.,59 ??/= 2 T T 17/6,60 57/10 -J 2;0- 2?4 03J -6= 0 - 0*30/ -, : 1 0 4*0>47 = 2;03 +=*2 ;7-,5J 2?4 0 -2 ,67/= 0/056 ,* 075. 2;0 /4,6 2 %* 454 0- : ; /=2 -6/7,+.6 /7/0 = 54/?03 0G7 ;4 : ,*24- 2/ 8,6.'6.,*7 ;4 : 0* B 0/ ;- /7/0 = -./4;- 2 60* -6/2*+ -50*603J 07?0- 2112-,60 2/ 8 .2/ 03J 280/- 4-47 = ,* 7 -0 8 .2/ -

) *C - 36

N7O 2 / 280/- Q 2/ 44 -0G47 2/2 7 -57/,2,,- : 2*21067 24- .=1*+=*24- (% 2;03 2;0- , : ;/,5760 2/ $ 67 : 0*- %, *-0/603 2* 6.0 52/2 7 2/ .=12+=*24-J , 7 : 0*6- ?0/= - 0*30/ 0G -0/603 10/-,-60*6J 7*6.0/- 7/+0 ?0/-76, 0 305,3424- ??,= /00 8,6. T %' & 2?4 03 50 - 2/ 50 03 7*3 2?4 3 J -6= 0 , , 2/ : 8,6. , *0- 2 -6,+ : 76,5 171, 0 /4,6 7 5,/54 : -5,-- 571-4 0 2/ ;2*= *454 0 003- 10 6760J 0 : ; /=2 -6/7,+.6 2/ 54,803J 7 ;4 : 0* 0-.= B 571,+0/24- .0/ ;- /7/0 = -./4;;=C ;0 28 J 07?0- 7 60/*760 2/ /73,57 /7/0 = 2112-,60J -5710- 7G, 7/= /2 : 6.0 280/ 07?0- J 280/- ,*52*-1,5424- <T(

2/ O

280/- 8,6.'7 -,*+ 0 2/7 0*?0 210 D6.0 57 =GF 2/ $

G5016,2*- B '324; 0 2/7 0*?0 210 2554/- ,*-2 : 0 4 '6 5 '1 + " '3 " 1 " '7*3 8 & : 00 ?7/,24- ,*52 : 1 060 +0*0/7 4*30/ 6.0 0G5016,2*- 62 ,Kg,-,2*- 7*3

?7/= -410/,2/ D,* 0/,2/ ,* < 7*3 : ! &/ 0/, 7*6.' 4-47 = 3,-6, ,56

2.2/6)) .0*2123,7 0- B 280/- 4-47 = E X 0/,7*6.' +/00*' 2/ 52 24/03' 4-47 = /0+4 7/J 64;0 -.2/6 2/ $J -0+ : 0*6- , ; ;/,5760 ,* ;*3 ??/= -410/,2/ DOG5016 : /' 2 ' D/7/0 = -0?0/7 F 57/10 - ?4 0- -2 ,67/= DT 2/ : 2/0 ,* -2 : 0 7*3 /' ;7-7 : ; /=2 4-47 = 52, 03 2/ 54/?03 B 0/ ;- 2/ -./4;- D .,- 2.2/6 ,-5 2-0 = 7 ,03 62 2- 7*3) F

' ' " ! 0/,7*6.' 1067 2,3 +7 : 21.= 24-J 64;0 - 0*30/J ;7-0 10/-,-60*6 0*5 2-,*+ 6.0 -00303 75.0*0 2/ 46/,5 0 67H : 0*- .=12+=*24- : ; /=2 7/+0 52*?2 460 2/ 52*341 ,5760 J 7 ;4 : 0* -57*6= B 0/ ;- 7*3 -./4;-J *230- 64 : ,3 J 07?0- 2112-,60 <TE
'& 2 ! 0/,7*6.' +/00*' 2/ 1067 2,3J 64;0 -.2/6 2/ $ 67 : 0*- .=12H +=*24- 2/ *07/ = -2 ?7/= 2 -0?0/7 /00 2/ 52** 760 2?* 03 57/10 - : ; /=2 4-47 = 54/?03 2/ 52, 03J 7 ;4 : 0* 24/= 2/ B 0/ ;- -./4;- 2/ 6/00-J 07?0- ?,-47 = 7 60/H *760 -6,14 760 2/ *26 <T&
'Y 26 k 7 =G +/00*' 2/ 52 24/03 67 : 0*- 2/ E Y 10/,+=*24-J 7*6.0/- T 50 03 ??/= 50 03 J -6= 0- T %J 2?4 0 ;7-7 5.040 4-47 = 0*5 2-03 ,* 6.0 2 60*

755/0-50*6 10/,7*6. : ; /=2 -6/7,+.6 2/ 54/?03 -2 : 06, : 0- 2 ,75024-J 7 ;4 : 0* 24/= B 0/ ;- 2/ -./4;- /7/0 = 6/00-J 07?0- 7 60/*760J -6,14 0- 2/ : 0 : ; /7*24- 7*3 -.076., * + C < N\= $ - ! 017 - (E -0/,760 : 2/0 2/ 0- -57/,24- 67 : 0*- .=12+=*24- 2112-,60 6.0 -017 -J 7*6.0/- 2 60* 50 03 ??,= 50 03J -6,+ : 7- T J 2?4 0- 2/ : 2/0 ;7-7 : ; /=2 7*H *4 7/ 2/ 54/?03J 7 ;4 : 0* 24/= B 0/ ;- /7/0 = -./4 ;-J 07?0- 2112-,60 2/ 7 60/*760 0G-6,14 760 C (N\N ! ! 017 - .0/ ;75024-] -0/,760 2/ 10/,7*6. 46/,54 7/ 2/ 67 : 0*- E 2112-,60 6.0 -017 - ;=12+=*24- 2/ 10/,+=*24-J 7*6.0/- T 50 03 ??/= C

49 9=' ?+ : B *?' '' O - @ 9' H# >*?* ' B >8AO' $# C98 : A ; O@?' O8' 7AC= : A ; O@?# ?0B9+ B9?'
4@8 - 9=' O8' ?C 8* ' * >@B9 ; ' 9?>A' O8' O@8A' O8 * +98 ; *+ ; :' / +7' C9+* ?' O8' ?+*B ; O=9?' - *8A'
' 1 98>?0' ?>8@>?# O8' 8*89 A' +899?' 9*-9? 49 9='' ?+A 9?' M' ' O - @ 9' # 8*89 A' T#>*?* '
- *8 O@?# 95?+ C@ *+9' ' ' ' ' ')^< B >8AO' 4@8 - 9=' O8' * ; ; @ *8' * >@B9 ; ' O@8A
H ' + ' 9C* ?' # H ?98 *+9# a' 1 98>?# 8*89 A' ?78@>>A' 9*-9?' OCCO? +9' O8'
: 899 ; ' O8' 4O O@89=' +*B9 ; ?' # C98 : A ; O@?# ' *?4 4 9=' ?+ C@ 9?' 4*8 O@?' O8' $' ' ' ' N
OCCO? +9' +79' ?9C* ?' ' * ; +798?' 09 9=' - *8A.' ' 8 8O4 *' ' O / 98?' BO ; 094 O@?'
H 49 9=' ?+ : B *?' @?@* A' &' O8' M O>9=' ' -@ 9 98 * ; +7' O ' T' D@5+*CO?9=' 9* 9+?' O ' 6'
>*?* ' B >8AO' ?C 8* '' * >@B9 ; ' O@8A +@>@ *8# 9549 ; +8 4I' ?@C98 O8# &' ' O>@ *+9 '
98>?# 9?7A# O +9 ; ' +8* ; : ' 9*-9?' ?4*++989=# +*B9 ; ?' $$' * ; +798?' ; 9*8# -98?*+ 9 ' - *8A'
8*89 A' OCCO? +9# 9?7A# 95?+ C@ *+9' ' N ; 98 O8" ?+A 9'? BC 9' O - @ 9' H# >*?* ' B >8AO'
2 ' B_Y% " &J% 9C* ?' # : 899 ; ' O8' 70 F9=' * >@B9 ; ' ?@>4*8+ * : ; O@?' 1 ' ;'
/ 7 +9 ' +*B9 ; ?' H # OCCO? +9' +79' ?9C* ?# O8 *; ; @ * ' 798>' 9*-9?' OCCO? +9' >9 O / # ?+ C@ *+9' LN

2.2/6)) ' 74/7 O - 1 O / 98?' @?@* A' @ ; ?95@* ' 98 * ; +7' : 899 ; ' O8' 4O O@89=#
@?@* A' 89 : @ *8 ' - *8A' ?@C98 O8' G ; 98 O8' ; ' D1 5 B' H 9 9=' ?+ : B *' H '' O - @ 9'
?O +*8A ' ; 78AO' ?+8* : 7+# * >@B ; O@?' O8' ; O+

H ' O8+ ' O / 98?' @?@* A' BOE +899?' 9*-9?' * +98 ; *+9# 95?+ C@ *+9 ' G 7O@ ='
; 094 O@?# ; ' *' 8949C+*4@ *8' 4@C ' 9C* ?' 79' C *49=' ; 95+' +O' /' ' ' ' N Q'
% $$# B *; A ?98 *+9# B >8 4*+9 ' +*B9 ; ?' HNO' ! ' O / 98?' d' O8' CO A '
@?@* A' B *; A# 899# ; ?98+9=# O ; ' +79' !C' : *BO@?' 98 * ; +7' Q ++=# B >8 4*+9 ' +*E
*; +798?' OC9 ; ; :' >A' ? +?' O8' - * -9?# *+98 ; *+ ; :' B9 ; ?' 899' * ; +798?' 95+8O8?9' 2/ ; + O8?9#
/ +7' ?+*B ; O=9?' - @ 9' C9 ; =@ O@?# *+98*' OC9 ; ; :' >A' - * -9?' - @ 9' C9 ; =@ O@?' 99='
O8' >*? *8' 8@ +' *' ; @+' O8' =8@C9' B >8AO' 95* 7@B ; O@?'' 8*= 4 9' ?@C98 O8 1 8OB*+ 4'
* >@B ; O@?# 4O+A 9='O ; ?'= - *8 4*+9 1 8OB*+ 4' +899?' 8*89 A' ?49 ; + 9??' + / ; ; :' 9* 9??' 798>?'
+899?' O8' ?78@>?' 9*-9?' 9 ?+ C *+9 N N 9*-9?' * +98 ; *+9' ?@7 OCCO? +9' O8' / 7O8 9=#
H N' A 4 *E' O / 98?' = B4 O@?' 95?+ C@ *+9' N
98 * ; +7' =# - * - *+9 ' ' +*B9 ; ?' B C*' H O*' ' (:= O% O / 98?' O ' A / $ 8 ' / 5'
=9 C7O@?'' * ; +798?' 95+8O8?9' - @ 9' >*?* # 7@+' O - *8A' ; 98 O8' * ; =' 4O+A 9=O ; ?' ?C 8* D6'
9894+' 99=' / +7' 8@B ; *+9' * >@B9 ; '' 4O+A 9E 4O 9=' 8O@ ; =' +79' C @B@ 9' ' N
=O ; ?' = - *8 4*+9'' 8*= 4 9' ; 98 O8 1 8OB*+ 4

2.2/6))) ' 71.*7 O - 1 O / 9 ?' @?@* A' 798B *C78O= +9 ' 98 * ; +7' : 899 ; ' O8
3I O@89=# 89 : @ *8' O8' 889 : @ *8# O +9 ; ' +@>@ *8 ' - *8A' H ' 8*89 A' 49 9=# ?@C98 O8' ?+ : B *'
'' O - @ 9' @?@* A' ?O +*8A# C9 ; =@ O@?' O8' ? ; > 9894+' >@B9 ; ' # 8*89 A' ?4* ; +A' 9B >8D O'
?+8* : 7+

H ' ; - 4K' O / 98?' d' O8' CO AE BbL% 4 ! %J% O / 98?' ' O8' = 4 ; O@?
: *BO@?' 98 * ; +7' N =# B >8 4*+9 ' +* ' 98 * ; +7' +@>@ *8' O8' N =' O8' C*8+ +9# BE
; 9 ; ?' ; ?98+9=' O ; ' +79' +@>9 ' - *8A' H ' 8*89 A' >8 4*+9' O8' - * - *+9 ' +*B9 ; ?' C98 : A ; O@?' O8'
T 49 9=' ?+A 9' - 9 ; +8* ' O8' ?@> +98B ; * ' O - @ 9' ; ?98+9=' O ; ' +79' C98 * ; +7 +@>9# 899 ' - *8A'
89 ; =@ O@?' 99=' 95* >@B ; O@?' O8' ; 9*8 A' H 49 9='' O - @ 9' ?@> >*?* ' 99=' / +7' ?4 * ; +A'
?O' 8*= 4 9' ?@C98 O8 1 78@>?' O8' +899?# 8*89 A' * >@B9 ; ' 8*= 4 9' ; 98 O8 1 78@>?' O8' +899?'
987?' >*8F' +0@ : 7' ' 9*-9?' OCCO? +9' O8' / +7' ? -98A' ?4* 9?' 9*-9?' * +98 ; *+9' O8' OCCOE
*++989=# 95?+ C@ *+9 N N ? +9# 95?+ C@ *+9 N Q
H Q' < ' ' %J% O / 98?' BO@994 O ; ? HQH' : %J% O / 98?' @?@* A
98 * ; +7' N H C*8+ +9' ?9 : B9 ; ?' ?98 *+9# 98 * ; +7' O ' ' @?@* A' ?C*+7@ *+9# 899' O8'
- * - *+9' +*B9 ; ?' M ' ' *; +798?' OC9 ; ; :' >A' C*8+ * A 899# - * - *+9' O8?@> - * - *+9' +9 : B9 ; +?'
*' =94 =@O@?' - B - 9' - *8A' H 49 9='' ?+A 9' ; +798?' ; ?98+9=' O ; ' +79' C98 * ; +7 ?9 : B9 ; +?'
+98B ; * '' O - @ 9' C9 ; =@ O@?' 99=' 95* ' - *8A' H 49 9='' O - @ 9?' OO' ' 99=' 95* E
> B ; O@?' 8*= 4 9' ?@C98 O8 1 899?' 9*-9?' >@B ; O@?' ' 8*= 4 9' ; 98 O8 1 78@>?' O8' +899?'
?4*++9 9=# 95?+ C@ *+9 N 9*-9?' *89 A' OCCO? +9# 95?+ C@ *+9' ' ' NNH

H H

2.2/6))) 1 /6,57 0-1 0 / 98?1 = 4 ;O@?# E .,1 <""- 81 98 *;+71 :899;#
@?@* A189:@ *8#8*89 A1 1 +*B9;?1 OCCO? +91+791 C98 *;+7 O>9?1 O81 ?9C* ?1 -*8A1 ?@D 98 O8#
H 49 9=1 G O9 9=1 ;1 A B1 ?+ :B*?1 H11 0-@ 91 ?O +*8A# B 48OCA 91* /*A?1 ?@C98 O81
B +1@?@* A1*;1*479;91 O81 ?*B*81 B>8AO1 ?+8* :7+#* >@B ;O@?1 O81;O+

Bb?% (5%1 0 / 98?1= 4 ;O@?1 O81 CO AE
:*BO@?1 98 *;+71 -*8 O@ ?# B>8 4*+91 O81 -* 1
-*+9# 8*89 A1 1 +*B9;?1 @?@* A1 9R@*1 +O1 +791
C98 *;+7 O>9?"1 *B9;+?1 @;4O ;:1 9 *?+ 41
* A1 +A 91? ? BC 91 O81 @@ + ++=1 -@ 91 9894+#
O8+7O+8OCO@?1 B>8AO1 ?+8* :7+#* >@B ;O@?1
1 98>?# 8*89 A1 +899?"1 D@ 491 BC ="1 9*-9?
?+ C@ *+91 <$E
BbY% ;1 0 / 98?1= 4 ;O@?# B ;@+9#
O +9;1 O;1 *;1 OC9; O81 4 O?9=1 8949C+*4 91 98 E
*;+71 +@>@ *81 O81 M C*8+ +91 O81 +*B9;?1
*?1 ;1 <1 >@+1 *B9;+?1 ?0B9+ B9?1
?+8* :7+1 +A 91?H 8 "1 O-@ 91 -*8 O@?1 BE
>8AO1 ?+8* :7+1 O81 4@8-9=#* >@B ;O@?1 O81 ;O+1
K1 899?1 O81 ?78@>?"1 D@ 491 B FA"1 9*-9?1* E
+98;*+91 ?+ C@ 91?1 *8:9# @:*4 O@?1 N Q
HQ1 !3 *)1 0 / 98?1CO A:*BO@?1 9E
8 *;+71 ` C*8+ +9# C98? ?+9;+# B>8 4*+91 +*

B9;?1*?1 ;1 +A 91?1 "1 O-@ 91>* ? *8#
4*BCA O+8OCO@?1 B>8AO1 4@8-9="1 * >@+;9;1
?4*;+A1 O81 1 899?"1 D@ 491 / *+98A"1 9*-9?1
* +98;*+9 ?+ C@ 91?1 @:*4 O@?1 1 1 1 GOH
HQ1 1 0 / 98?1= 4 ;O@?
98 *;+71 ?9C* ?1 # 899# B>8 4*+91 E #
-*8 O@?1 +*B9;?1 # OCCO? +91 +791 ?9C* ?"
7 *B9;+?1?708+1 +A 91?M"1 O-@ 91 C9;=@ O@ ?#
4*BCA O+8OCO@?1 B>8D O1 700F9=1 O81 40 9=#
95* >@B ;O@? 1 98>?"1 D@ 491 / *+98A" 9*-9?1
?+ C@ *+91 1 1 1 1 1 1 O
HQN1 ! 1 0 / 98? E1 98 *;+71
4*BC*;@ *+9# C98? ?+9;+# =1 +*B9;?1
OCCO? +91+791 C98 *;+7 O>9?1" *;+798?1 95+8O8?91
-*8A1 H 49 9="1 ?+A 91?1 "1 O-@ 91?1 H C9;=@E
O@?1 ;1 9*471 49 1 B>8AO1 ?+8* :7+# 95* >@E
B ;O@? 1 899?"1 D@ 491 / *+98A"1 9*-9?1* +98E
;*+91 ?+ C@ 91?1 @:*4 O@?1 1 O

2.2/6))) 1 :0*67 0-1 0 / 98?1= 4 ;O@?# ;14*+F ;?# 40;9?1 O81 79*=?1 98 *;+71
O81 O* A4 C8B# O81 O 1 O;91 O81 B O89 1 >8 ?+ 9?# >8*4+?# >8*O+9O 91?1 O81 ?4* 91?1 -*8A1 ?@C98 O8#
H 49 9=1 99=?1 95* >@B ;O@? 1 899?1 O81 ?78@>?1" 9*-9?1* +98;*+9# ? BC 9

BbG% < $ 4 5%1 0 / 98?1 BO;094 O@?#
;1 ? 9;=98 4*+F ;?1 98 *;+71 1 *1 0>9=1
4@C1 O81 ?4* 9"å\1 O1 *4489?49;+1 ?4* 91?1 -*8A1
/ +71 T1 T 0-@ 9=1 49 ?" ?+A =?1 T "1 O-@ 91?1 C9;E
=@ O@?# *;*+8OCO@?1 *= 4 91 ?@C98 O81 1
9*-9?1?+ C@ *+9 NOO
Bb_% : 05%1 0 / 98?1 BO;094 O@?# ;1
:O>O?91 4*+F ;?1 98 *;+71 *;=1 1O 1?9;=98
?4* 91?1 O81 >8 ?+ 91?1 -*8A1 H 49 9="1 ?+A 91 H"1
O-@ 91 # C9;=@ O@?# O8+7O+8OCO@?1 *= 4 91
; 98 O81 1 9*-9?1* +98;*+9" ?+ C@ 91?1 9* 1
OCCO?9=# ?79*+7 ;:1 NOQ
P1 HQQ1 5 4 J1 0 / 98?1 BO;1 O81 = 1
490 O@?# ;1 O;:1 O81 ?7O8+1 4*+F ;?# ?9?? 91 ;1
+791 *5 ?1 O1?4* 91?1 98 *;+71 T1 # C81 O1?4* 91?

O81 >8*4+?1 -*8A1 H 4 9 9="1 ?+A 91?1 "1 O-@ 91
H# 9894+# O8+7O+8OCO@?1 *= 4 91 ?@C98 O8 1
9*-9?1* +98;*+9# ?+ C@ *+91 O81 ;O+1 1 1
?LL% - % 0 / 98?1 BO;1 O81 = 1 1
094 O@?"1 ;1 4*+F ;?# BO;*;=8O@?# >8*4 1
+9*+91 T1 ;1>9*=?#>8*4+91+91*;=1T >8*4+90 *+91
-*8A1H 49 +1= "O-@ 91:9B ;*+9# ?9B *;*+1O1
CO@?1 *= 4 91?@C98 O8 1 9* 9??+899?# / +71
? 9;=98 DO ;+91 >8*;479?" DO ;+?1 9;= ;:1 ;1
+OO+79=1?79*+7?1 $&(
H1 = 5 % 0 / 98?1 = 094 O@?# ;
+791?4* 91 O1 4*+F ;?1 1 49 9=1O-*8A#
/ +71?9-98*1>*?*1*;*+8OCO@?1O-@ 91?"1 ?+ :B*"
M O>9=1 99=?1 90 ;O?91 *= 4 91 ; 98 O8
1 9*-9?1 ?+ C@ *+91

2.2/6))) 1 41.2/;,7 0-1 0 / 98?1 1 O81 = 4 ;O@?1 98 *;+71 -** O@?1 O81 1
-*8A1 ?@C98 O8# OO 49 9="1 O-@ 91?1 OO1 ;1 9*471 49 # C9;=@ O@?# *;*+8OCO@?1 8@ +1
!?@* A1 4*C?@ *8# OO1 49 9="1 49 ?1 OO1 ?99=9=

1 - 5% 0 / 98?1= 4 ;O@?1
98 *;+71 -*8 O@?1 O81 $# ?0B9+ B9?1= 47 *BA1
=9O@?1 ;+798?1 @?@* A1 :O>O?91 O8 =ABO +?1
-*8A1 M1 G8*89 A1 T1 O81 $$ I1 49 9="1 O-@ 91?
?O +*8A1 O81 :9B ;*+91 ;1 9*471 49 # @?@* A

OC984 =*+91 8@ +1 @?@* A1 & 4O44O@?# 8*89 A1
1>988A1 B>8AO1 ?+8 :7+1 ;1 4OC O@?1 * >@E
B9; 1 98>?# ?78@>?1 O81 +899?"1 9*-9?1 @?@* A1
* +98;*+91 *;=1 M ?+ C@ *+91 1 O
K - $ % 0 / 98?1 BO;094 O@?1 9

C* ? O8 +8*4+? HM B>8 4*+9 8*89 A + *B9;? 0CCO? +9 +79 ?9C* ? "*8A M 49 9=" 0-@ 9? ?O +*8A O8 :9B ;*+9 C9;=@E 0@?; O OC984@ *+9 8@ + 4*C?@ *8 O8 9?7A 99= * >@B ;0@? 1 899? O8 ?78@>?" 9*-9? 0CCO@ +9 O8 * +98;*+9 95?+ C@ *+9 NQ ?LF : 6 J 0/98? 98 *;+7 +@>@ *8 0>9=# -* -*+9 +*B9;? # 0; +79 C98 *;+7 -* A 49 9=" 49 ? 0-@ 9= *C?@ 9 04@ 4 =* B>8AO B E ;@+9# * >@B ;0@? 1 78@>?" 9*-9? 0CCO? +9 O H

- ! 0/98? 9C* ? # B>8 4*+9 +*B9;? -*8A 49 9= *C?@ 9 04@ 4 =* 9 ? 0-@ 9= B>8AO * >@B ;0@? 1 78@>? 9*-9? 0CCO? +9 O H N M %J% 0/98? d ?C F?= 9C* ? O8 N# C9+* 0 =# B>8 4*+9 +*B9;? H# =* -*8A H 49 9= ? : B*? M" 0-@ 9? 6 %8@C9 / +7 *M -* -9=9;=04*8C 99= *8 *+9# * >@B ;0@? 78@7? O8 +899? 9*-9? * +98;*+9 ?+ C@ *+9 O

2.2))) ,10/7 0- 1 0/98? /3,5,*24- 4-47 =,*-1,90- 2/ 5769,*- 98 *;+7 8@= B9;+*8A O8 -*8A ?@C98 O8# 2 2*0 50 03 2?4 03 57/10 2/ 2 -0?0/7 899 00 49 9=

N* G HO I ,1 0/98? 480/=9= 0;* ?C*= 5# -98A B ;@+9# d O8 = 094 0@? -*8A H 49 9=" 0-@ 9 H# >*? *8# O8+70+ .O CO@? B>8AO * >@B ;0@?# ;4 @=9= ; +79 *B; O+ 4 ?* 86 98>? O8 ?78@>?" 9*-9? OCE CO? +9 * +98;*+9 O8 / 708 9=# 95?+ C@ *+9 O LL NN G H I = - - 4 % 0/98? 480/=9= 0;* ?C*= 5# d -*8A ?@C98 O8 O8 ; 98 O8# H 49 9= / +7 C*8 9+* C *49;+*?# O8 M 49 9= / +7 *5 9 C *49;+*?" 0-@ 9? *?49;= ; :# 00 ;9*47 49 B>8AO * >@B ;0@?# B>9==9= ;+79 *B; O+ 4?*4 1 98>?" 9*-9? * +98;*+9# 95?+ C@ *+9 OMH

NO G HQ I ? 0/98? # O8 = 4 ;0@?" ?C 4*+9# 4ABO?9 O8 C*; 4 9= -*8A H 49 9=" 0-@ 9 H# C9;=@E 0@?# O8+70+8OCO@? B /AO ?B* # * >@B E ;0@? 1 78@>?" 9*-9? OCCO? +9# ?+ C@ *+9 OMM , N6 G I 1 K 0/98? D07094 0@?# *5 *8A#?9?? 9 -*8A H 49 9=" 0-@ 9 H# C9;=@ 0@?# O8+70+8OCO@? B>8AO 95* >@B ;0@? C @B@ 9 CO AC7A 0@? 1 @>E B98:9= 798>?# / +7 / 708 9= = ??94+9= 95?+ E C@ *+9 9*-9? O M

2.2/6))) 012*6,7 0- 1 0/98? =094 0@? 98 *;+7 C*8+ +9# B>8 4*+9 +*B9;? BO;*=9 C>0@? -*8A ?@C98 O8# M 49 9= 0-@ 9? -9CA B*;A# 0;+79 ?9C+* *C?@ 9 04@ 4 =* 99= ?4O> O8B# * >@B ;0@? 1 4*;=9;+ ?78@>? 9*-9? * +98;*+9# +98B ;*+9= >A C +4798?

O (B O M

-*8A ; 98 O8 98 *;+7 BO89 O8 9?? = ?+ ;4+ ;+79 6 O8 `O8 >0+7 G-98A O>?4@89 ;?0B9 2)/83 .%3''2'

2.2/6))) -7/7 2- 1 0/98? + 2/ =4 ;0@? 98 *;+7 @?@* A 40 0@89= +*B9;? 9C :A;0@? ;+79 0/98? -*8A ; 98 O8# H B*;A 49 9= 8@ + *4*C?@ 9 O8 >988A

5 % O/98? $ 98 E Q 5 % O/98? = 094 0@?# *;+7 89:@ *8 O8 889:@ *8# -* -*+9 1 98>? O8 8*89 A 98 *;+7 89:@ *8# -* -*+9 O8 BE @;=98?78@>?" 9*-9? * +98;*+9# 95?+ C@ *+9 O >8 4*+9 1 9* 9?? 8OO+ C*8*? +9? O Q

2.2/6))) 640:7 0- 1 0/98? =4 ;0@?# S ;+ 4*+F ;?# O +*8A O8 ; ?C F9? 98 ;+7 :899;# 0 S 0>9= O8 89=@49= +O * ?4* 9 0 O B ;@+9# N 079= O8 Y+00+79= -*8A ; 98 O8# H N 49 9= 0-@ 9 H >*?* # O8 H 0 BO89 C9;=@ 0@? 8@ + H ?99=9= >@B9;? 1 899? 9*-9? ? BC 9 O8 40BCO@;=

H HN

] T $! /7 6, 0/,7*6. 2 ^! 7 -57 0 2/ ; /756J ' [T % 6226.03 ' ?7/= 50 03J 2?4 0 ' 0/056 2/6.26/2124- /4,6 7 3/410 8,6. 7 T ?7 ?03 0*3257/1 B 07?0- 1,**760 -6,1 4 7 6 0 T +8 $ *D 0/,7*6. 0 4*H 0>47 = 079= 0 N 079= ?7/= T < 50 03 /4,6 0 (-00303 *46- ,* 7* ,*?2 45/0 B 07?0- -, : 1 0 7 60/*760 -6,14H 760 T T 2 0/,7*6.2 7 -67*3] - *, 0/24- -57 0J [,//0+4 7/ = 2.03 ?7/= 50 03 8,6. 2?4 0- 10*34 24- /2 : 1/2H : ,*0*6 1 750*67 - /4,6 7 -00303 *46 0*5 2-03 ,* 6.0 755/0-50*6 2 ,75024- 64 ; 4 7/ ; /75602 0- B 07?0- -, : 1 0 -6,14 760 ' $

0708 333 " *;+* * 9? 1 0 / 98? 08 = 4 ;0@? 98 *;+7 @?@* A 40;?C E 4@0@?# 40 0@89=# C0 ABO8C70@? *;= -* -*+9 -*8A 00 49 9= 49 ? 00 0-@ 9= 0-@ 9? @?@* A 89=@49= +0 *; *F9= ;@4 9@? 8@ + *H ?99=9= >988A 08 =8@C9 1 *8*? + 4 798>? 08 ?>8@>? 7 ? 0708 ? 4 0?9 A * 9= +0 " # !/2/!'&

T (2 , 280/- /7/0 = 3,5 ,*24- 0/,7*6. 2 60*' 52 24/03 +7 : 2 2/ 12 = -017 24- ?7 ?760 67 : 0*-,*-0/603 2*' 6.0 10/,7*6. 2 ;0- 2/ -0+ : 0*6- ?7/= 50 03 J 2?4 0 -2 ,67/= 0/056 73*760 62 6.0 50 87 : ; /=2 ,* 0- .= 7 ; 4 : 0* B .4 ; - 17/7-,6,5 2*' ; /7*5.0-J 07 0--' 2/ 07?0- 6.,59 = 52/,75024- 0G-6,14 760 ' ' & T % 4 10/,7*6. 7*3 -67 4 ?7/ C 50 03J 2?4 0- ' 10*34 14- /2 : 7 /00 50*6/7 52 4 : * : ; /=2 ,* 0- .= 2/ 3/= 7 ; 4 : 0* B .4 ; - 2/ .0/ ; - 17/7-,6,5 */226- 2/ ; /7*5.0-J 07?0- 2112-,60 2/ 7 60/*760 0G-6,14 760 ' ' 'TT T E . ! , 280/- ,* - : 7

7G, 7/= 52*0- 0/,7*6. 2 # ?7 ?760 -0+H : 0*6- 67 : 0*- ?7/= T 50 03 76 ,/-6 8,6. 2*0 10*34 24- 2?4 0 075. 50 : H ; /=2 ,* 0- .= 7 ; 4 : 0* B . /4 ; - 07?0- 2112-,60 0/,52,3 0G-6,14 760 ' 'TE T < K %D% 280/- -0G47 -2 : 06, : 0- (B 0/,7*6. 07?0- 6.,59 = 52/,75024- 0G-6,14 760 ' ' & 4-47 = (2 ; 03 ?7 ?760J [?7/,24- 2/ $ 67 : 0*- 4-47 = (: 2*730 1.24- D ,* 0 (-B ?7/= T 50 03 J 2?4 0- ' ,* 075. 50 10*34 24- 2 60*' 73*760 62 6.0 50 87 : ; /=2 4*3,?,303 ,* 0- .= 2/ +/7*4H 7/ 7 ; 4 : 0* B 0- .= -571,+0/24- 07 0- /226 17/7-,60- O N

T ' , L 00 T$<U 0 ?Bb% 4 % 00 N4 OMM
T &' 1 * L 00 ($<E '(??L% %J% 00 Y) " OM

8238#.!'#'>:!3<'"')' ")'"& 3: 98F83<8 3'' ('"-)9,#3$$& ::#8#$-

TT 2 , L 280/- +' 2/ 3,H 5,*24- 0/,7*6. $ 2/ -, : 1 0 67 : 0*- 30 ,*,60 2/ ,*30 ,*,60 .=12+=*24- ?7/= -410/,2/ (50 03J 50 - : 7*= 2?* 03J 1 750*67- 7G, 0 2/ 17/,067 J 2?4 0- 7*76/2124- /4,6 571-4 7/ : ; /=2 0G7 ; 4/*,*24-J /73,5 0 -410/,2/ B >476,5 .0/ ; - 2 60*' /0H -0 : ; ,* + ! 2/ 2/ , ! ' ' '(' TTT ,* L 00 7 -2 %$ ($E ' '(&

4; 5 7--' D7/=,7*2-10/ : 24-

-@ 9? C80=@49= ?@C98 4 * A 0; *' ?4* 9 G>8*4 08 0C9 ; 0-*8AI ' 98+ <9= >A +79 = 894 *CC 4*+ 0; 0 +>9 C0 9; +0 +79 *C95 0 +79 ; @4 9@?# / 7 47 +79 C0 9; +@>9 C9 ; 9+8*+9? 1 0 / 98? @ ; ?95@* G9549C ; '!<#$&2%#/

TT(2 , 7J 60 : ; /7*5.03 0G1H +0*24- 8,6. - 0*30/ 1,6. 7*3 *2 1/210/ 0--0 - D?7-54 7/ 6,--40 1/210/F 07?0- 21H 12-,60 8.2/ 03 2/ 7-5,5 03 -, : 1 0J *0/?0- -, : 1 0 0/,7*6. $ OMQ TT(2 60 : ; /7*5.03 0G2H +0*24- 2/ 6,--*0- 52* 4-03 8,6. - 0*30/ 1,6. 7*3 1/210/ ?0--0 - 07?0- $ 2/ 2112-,60J *0/?0- ; /7*5.03 D0G5016 2 " : B 0/,H 7*6. 2 ; /756- 2/ -57 0- EE@ 60 : -, : 1 0 /7/0 = ; /7*5.03 2/ J 1,6. 7/+0 7*3 1/210/ ?0--0 - 7 ; 4*37*6 07?0- 52 : 124*3J *0/?0- -6/7,+.6 0/,7*6. $ '%& '(' 'E$

' '

+9B' Y / +70@# = ?+ ;4#' *A98?' 0 ' &00=' ?@880@;= ; :' *' 40 @B;# 0 ' C +7# 08' *' ?9C*8*> 9' 7*8F ' 9*-9?' / +7' @?@* A'C*8* 9 ' -9;*+ 0;' 08* ' / 708 ?' / 79;' C89?9;#' @?@* A' ;' +7899?' 08' B@ + C 9?' 0 ' +7899 ' B>8A0' / +7' 0;9' 40+A 9=0;' ;' :98B ;*+ 0;' *=-9;+ + 0@?' 800+?' @?@* A' *+' 0;49' C80499=' 80B' +79' 8*= 4@ *8' 9;=' 0 ' +79' 9B>8A0 ' G >?4@89' 8 ; :?' 0 ' / 00=' *;=' *' 7*8F' *89' = ?+ ; :@ ?7*> 9' ;' ?0B9' *8>089?49;#' &. /"/7# ' 9+ "9 ;9=' 9*-9?' 044@8' ;' 1#3&23"'2 5 #!/2'2 5 *;=' *' 9 /' 0+798' 8=98? I

% " '

-*8A' ; 98 08' G?@C98 08' ;' ?0B9' "3 '!#/2'2'" *;=' 2' 3)3"/2'2' 5 98 *;+7' @?@* A = ?+ ;4+# ?98 *+9' *;=' 40 0@89=

,' !,9 '8' ' ' ,"-3')#&$#82$

0708#' ' A=8* 9? 1 0 / 98?' @?@* A' = 4 ;0@?# 89:@ *8' 98 *;+7' N C*8+ +9# M 0@+98' ?9:B9;+?' 798>*490@?# M ;;98' C +* 0=' 08' ' +*B9;?' M 08' B089# 9C :A ! 0;?' 08' ;?98+9=' 0;' +79' >*?9' 0 ' +79' C98 *;+7 ?9:B9;+?' -*8A' H# M# 8 N f4> 9=# 8@ +' *' >988A' B>8A0' = ?+ ;4+# 95* >@B ;0@?' R@*+ 4' 798>?

H' 8% % *H a 0

,' ,' !,9 '8':!39"-5 ' ,"-3')#&$#82$

0708#' ; ' B0B* 9? 1 0 / 989' @?@* A' ' *;=' -98A' 889:@ *8' G89:@ *86' "3 '> !#/2'2' ' 98 *;+7' 0 ' N ?9:B9;+?' +*B9;?' N# H 08' ' *;+798 980@?# +79' 89?+' C9+* 0 =# * ' *;+>98 980@?' ;' "3 ' /2'2' ' -*8A' @?@* A' M 49 9=' 8@ +' *' >988A' 08' 4*C?@ 9

E' ' 280/-' ,//0+4 7/' %' ; - %J% 280/-',//0+4 7/', : ,-0G47 ' X
0/,7*6.' 17/6,60' (' 2460/' -0+ : 0*6-' .0/ ;7H 0/,7*6.' 17, 6,60' 67 : 0*-' '2/' ' 7*3' 7'
5024-' /0+4 7/J ,**0/' 1067 2,3' ,//0+4 7/' -67 5,*230J 7*6.0/-'T 50 03' ' ' ' '<T
67 : 0*' ' 760/7 J 7*6.0/' 50 03' ' ' '<' E' 6 ! ' 2O0/-' /0+4 7/' '
C (' h, 4/ ' 280/-' + ',//0+4 7/ *07/=' -2' 0/,7*6.' D-2 : 06, : 0-' -410/,2/F
0/,7*6.'2 ' 67 : 0*' '7*60/,2/J 17/6,60J (' 2460/' -0+ : 0*6-C .0/ ;75024-' '
7*6.0/' 50 03' ' ' ' C ' '<$,**0/' 1067 2,3' 67 : 0*-' '7 '10/ 056' '<<

,' , ,' !,9 '8' 08' 2'!!9!/"E ' ,"-3' ('"-' 3,&29"'' ')& ('"-' #89$" D'?2'.$ *44*49BI

0708#' # 847 =* 9?' 1' 0 / 98?' ' *;=' -98A' 889:@ *8' 98 *;+7' 0 ' N 8*89 A' M ?9:B9;+6' +*B9;?' H# # 08' M# 40; @9;#' / +7' +79' ?+A 9" 8@ +' 4*C?@ *8' B>8A0' -98A' B ;@+9

N' % ' 0/,7*6.' ?0/=',//0+4 7/' ' ' ' 0/,7*6.' -4. /0+4 7/
67 : 0*-' '2/' T' 52* 40*6' 8,6.' 6.0' -6= 0' 7*3' 67 : 0*-' T' 2/' (' 73*760' 62' 6.0' .7 0' 2' 6.0
: > ' ' +' .0 "" & ' /7/0 =' (50 03' ' '<Y' -6= 0' ?7/=' (50 03' ' ' ' '

3%3"$ 6' *49*=9? 1 0 / 98?' # 89:@ *8' 98 *;+7' N 079=' +*B9;?' M 08' N# @?98+9=' 0;' +79' C98 *;+7 +@>9' ' *;+798?' C94@ *8' -*8A' H' 08' M 49 9=' 8@ +' 4*C?@ *8' 08' 988 9=' 99=?' B ;@+9# 95* >@B ;0@?# 08' *8:98' *;=' * >@B ;0@?

' / Sb , , L,' 07?0-' $' 2/' *7//28' A' K' 07?0-' ;/273' X8,6.' 7' :,3'
J,6.' 17/7 0' ?0*76,2*' 2/' ;/2730/' 7*3' *06' /,;' 7*3' 17/7 0' 3,?0/+,*+' ?0,*-' 003' 7 ;4H
0,*03' 003-' :,*460J 0 : ;/=2' 2;-54/0' ' ' ' :,*24-' J 0 : ;/=2' :,*460' ' '&$

H H

P p p , " (' " ' ' ' '& D 00 " 755750-0F

2.2/6 7/5,--7 0- 1 0/98? d K89:@ *8 08 889:@ *8 98 *;+7 @?@* A C9+* 0 = +*B9;? M 08 N ;?98+9= 0;+79 C98 *;+7 +@>9 -*8A M 49 9= 99=? / +7 40C 0@? 9?7A 8 708;A * >@B9;*;= *= ?+ ;4+ 9B>8A0 1 9*-9? C*8* 9 -9 ;9=

N= 6! - 0/,7*6./0+4 7/ 2/ ,//0+4H 7/ 67:0*-(J 7*6.0/-OG6/2/-0 '&T BB %J 0/,7*6. + 7;/24- /0+4 7/ 2/ ,//0+4 7/ 67:0*-<,*-0/603 2* 6.0 10/,7*6. 64.0 ?7/= H 2/ (50 03 '&$ H 0/,7*6./.7,/=8,6.H 246 /0+4 7/ 2/ *07/ =-2 67:0*-(2/ $,*-0/603 2* 6.0;7-0 2 6.0 10/,7*6. -0+:0*6-J 7*6.0/-,*6/2/-0 ?7/= 2/ (50 03 '&$

(<" $ &J 0/,7*6./.7,/=8,6.246 /0+4 7/ 67:0*-<,*-0/603 2* 6.0 10,,7* -0+:0*6-J 7*6.0/-,*6/2/-0 -7+,66760 003- -6/21.,2 762 ',F 6.0 10/,7*6. 64.0 %1 %5% 0/,7*6./0+4 7/ 67H :0*- 2/ :4/0 ,*-0/603 2* 6.0 10/,7*6. 64;0J 7*6.0/- ,*07/ :;/=2 246-,30 6.0 7;4:0* '$(

2.2/6 ,2-52/7 0-C 1 0/98? =094 0@?# 89:@ *8 98 *;+7 798>*490@? +*B9;? N ;?98+9=*+ +79 >*?9 0 +79 C98 *;+7 ?9:B9;+?-*8A M 49 9= 8@ + *> >988A 08 4*CE ?@ 9 99=? / +7 40C 0@? 9?7A=9;?9 * >@B9;# *;=*= ?+ ;4 ;4 @=9= 9B>8A0 1 B>;: 798>?7 08 @;=98?78@>? 9*-9? ;9+ -9 ;9=

ND OQ

-*8A?@C98 08 G 99 * ?0 80/9c *494 **;= 2' 3)3"/2'2'

C -*8A *C04*8C0@? G89=@49= +0 H 4*8C9 ;?0B9 /#/)' 99 S!&3&3 = /! ''

2.2/6 8 ++ * 9? 1 0/98? @;?95@* 98 *;+7 N 0>9= 08 C*8+ +9 +*B9;? *8C9?,0-@9=?+A 9 >*?*08 *+98* 99= B ;@+9# / +7 -98A =9;?9 * >@B9;**;=0>?4@89 9B>8A0 6 ;@+9 9* 9?? ? 9;=98 798>?

< ,6 , '$'

0708 0+*B* 9? 1 0/98? 6 08 @;?95@* 98 *;+7 0 M# # 08 N ?9:B9;+?# 08 $ +*B9;? < >@B9;$ 9B>8A0 40;?C 4@O@? 1 !?@* A / *+98 C *;+?

' 46 280/- 0/,7*6.< 07?03 ('2460/ .0/;75024- 67:0*-Y 22 .=12+=*24- 7/10 - :7*= 2?4 03 2 ,54 7/ 8.0*/,10 A & ,,-,, , 280/-Q 2/ :2* :5,24- 0/,7*6. < 07?03 (2460/ .0/;75024- 67:0*-< /7/0 = J 7*6.0/- OG6/2/-0 7/10 - (T 2?4 03 2 ,54 7/ 2/ 571-, 7/ 8.0*/,10 &$T E= 2 . - $ 280/- +2/ 4*,-0G47 0/,7*6. 2 % .0/;75024- ?7 ?760 07 06- 2/

$ 2*7 (6226.03 541 67:0*- T 2/ % 7/10 - < 2?4 03 ,*30.,-50*6 2/ T ?7 ?03 8.0*/,10 J 2?4 0- 10*34 24- &$?N $ % ! 280/-E 0/,7*6. $ 2/ 2 0^5734524- 07 06- ,*-0/603 2* 7 -173,G 8,6. 2 60*8.,60 ;/756- 67:0*- < & T$.=12+=*24- 7/10 - (<T % < 2?4 03 2 ,54 7/ 8.0*/,10J 2?4 0-7-50*3,*+ &$E TT # 280/- 2/ 4*,-0G47 2;-54/0 0/,7*6. $ 2/ 64;4 7/ 2/ :0:H ;/7*24- 67:0*- T %J 7*6.0/- T % 50 03 7/10 - % 22 2?4 03J 8.0*/,10 7*,*30.,-50*6;0,G= 2/ 46/,5 0 2/ 30.,-50*6J -6,+:7- 4-47 =T (, , 2/: &$'

' %' % ' G ' ' % I H HQ

' ' 8*8A' ?A;4*8CO@?' G8*89 A' *CO4*8CO@?' ;' ?0B9' /! ''

2.2/6') ' 7 : 7 0- 1 0/98?' @; ?95@* # ;' *' ? BC 9' O8' >8*;479=' ?C*= 5# 9;4 0?9=' O8' ;O' ;' *' ?C*+79' 98 *;+7' O '= ?+ ;4' ?98 *+9' 408 *490@?' ?9: B9;+?# :899;# 8*89 A'40 O@89=# O8' ' 8@ +' *' H' 8*89 A' ?99=9=' =8@C9' O8' >988A' 99=' * >@B ;O@? 1 78@>?' O8' +899?# / +7' *>9 *+9' O8' C ;;*+9 A' = - =9=# 8*89 A' ? BC 9' 9*-9?

8 9O\

T(' , , ' 280/-' , -47 =' 3,5 ,*24-' 2*' 7' ;/7*5.03' -173,G' 0/,7*6.C 2 '<' .0/H ;75024-' T -0/,760' -0+ : 0*6-' 67 : 0*-' <' /7/0 =' : 2/0' 2/' 080/' .=12+=*24-' 2/' 10/,+= ' *24-' ?7/=' (' /7/0 =' 20 03' 2/' 2 ' (' -017/760' 57/10 -J' -6= 0-'-.2/6' /00' 2/' 2**760J 50 -' ' /7/0 =' T 2?4 03' /4,6' ?7/,24-' (50 03' 003-' 7/+0J' 0 :;/=2' :,*460' -4*9',*' 7' 1,6' 2 '6.0' 0-.='2/' .2/*='7 ;4 : 0*' B /00-' 2/'-./4;-' &

E@' 2 ! K' 280/-' 82*50' 5,247' 2/' 12 =+7 : 2 3,200,24-' 2*' 7' -,: 1 0' 5 4;-.7103' -173,G' 0/,7*6. -0+ : 0*6-' T ' -0/,760' 4*0>47 ' 67 : 0*-' 25' ,*-0/603' 76

6.0' ;7-0' 2 '6.0' 10/,7*6.' ?7/=' 50 03' 7*3' 2?4 03' 2/' % 50 03' 7*3' % 2?4 03J -6= 0 (< ,3J 2?4 0' ;7-7 ' 7*76/2124-' /4,6' 7' : 4/,57603' -=*57/124-' 2/' 52/,75024-' ;0//= 003' 7/+0' ;4 : 0*' ,90' ,?2/= B 87/' 7 : ,90' 1 7*6-J 07?0-'1,**760' ' &T

E(D' # ' 280/-' : 2*505,24-' ',*' 5=,*3/,5' 5769,*-' [' 571,6760' 0/,7*6.' ' 2 '<' T -0/,760' -0+ : 0*6-' !' $' 67 : 0*-' &' ,7 : 0*6-' 52**760J 7*6.0/-' 0G6/2/70' 7/10 -' (' 2;,>40 =' 6/4*5760J -6,+ : 7-' -0--,0' 0GJ' 50*6/,5J' 2?4 0' ' 7-50*3,*+' /4,6' 7*' 7++/0H +76,2*' 2 '3/=' ,;/24-' 52/,75024-' 3/410-' 003' ' 7/+0' 4//2803J 7 ;4 : 0*' 57/6,7+,*24-' ' &T

2.2/6') ' /7 0- 1 0/98?' T' @; ?95@* # *88*;:9=' ;' 7' ?C*= 5' O8' ?C F9# / +7' O8' / +7O@+' *' ?C*+79# O8' ?@;F' ;' C +?' 0' 7' B ;@+9' ?4* 9 F9' 8O;=' 98 *;+7' O '= ?+ ;4' C 949?## / 7 +9' O8' :899;# O8' O' B ;@+9' ?4* 9?# O8' ' 8@ +' *' =8@C9' O8' >988A' / +7' 0;9# 9&# O8' B*;A' ?B* ' O8' B ;@+9' * >@B ;O@? ?99=?61 98>?# 0 +9;' : :*;+ 4# 8*89 A' +899?' ? BC 9' O8' C ;;*+ =# -98A' 8*89 A' C ;;*+9 A' = - =9=

T& ' L' 280/-'3,205,24-' ',*'2;H 2*+' 2/' + 2;2-0' -173,50-' 0/,7*6.'$' 67H : 0*-' *4 : 0/24-' 5/28303' ?7/,0-' *4 : 0/24-' 00 03J -6,+ : 7-' -0--,0J 2?4 0-' ' 2/' &' /4,6' 7' .073' 2 ' ,;/24-' -00303' 3/410- 003' -: 7 J 7 ;4 : 0*' 0-.= /00-' 2/' -./4;-J 07?0-' -,: 1 0' *7//28' : 7/+,*-' 7*3' 900' -1,*24-' \EE

E7' ' 280/-' : 2*205,24-' ',*' -,: 1 0' 2/' ;/7*5.03' ;073-' 2/' 5769,*-' OH /,7*6.' $' 2/' 2 ' - 0*30/' -57 0-' 2/' ;/,-6 0-' 67 : 0*-' 5/28303J 7*6.0/-' ;7-,6,G03' ?7/,0-' 5/28303' -0--,0' 2/' -67 903' 0 03J -6= 0' - 0*30/J -6,+ : 7' 4*,760/7 J 2?4 0' ' 10*34H 24-' 7*76/2124-' /4,6' 3/=' 2/' 3/4175024-' ;4 : 0*' 24/=' 2/' 0-.=' B' 0/;-J 07?0-' *7//28' ,*07/' 2/' ,+4 760' >4,60' 0*6,/0' ' &T%

T& ' K' 280/-' 3,5 ,*24-' ',*' 2;2*+' 2/' 5= ,*3/,5' -173,50-' 0/,7*6.' 2 ' DE' :, 6,6,3' 2 ' [' $' 2/' 2 ' %' 2*+ 67, 03' -0+H : 0*6-' 67 : 0*-' ,*' %' ;4*3 0-' 2112-,60' 6.0' 10/,7*6. 2;0-' ?7/=' 50 03J -6,+ : 7-' %J' 2?4 0-' : 7*=' 7*76/2124-' 2*' %' 17/,067' 1 7H 50*67-' /4,6'-=*57/124-';0//,03' 003-' : 7 ' , ;4 : 0*' .2/*= B 7/+0' -60 : 0--2/'5 , : ;,*+' .0/;-J 07?0-' 7/+0' 0*6,/0' 2/' T E 17/6,60' ' &T'

TY' , , , ' 280/-' 12 =+7 : 2' 3,200,24-' ,*' + 2;2-0' 2/' 2; 2*+' 2/' =,*3/,5' -173,50-' 0/,7*6.'$' 67 : 0*-' 22J , 7 : 0*6-' ,-2 7603' 2/' +/24103' ?7/,0-' : 7*=' 50 03J' -6,+ : 7-' -0--,0J 2?4 0-' : 7*=' 7*76/2124-' 2*' 17/,067' 1 750*67-' /4,6'-=*57, 124-';0//,03 Z 003' : ,*460J 7 ;4 : 0*' 0-.= 7/+0' .0/;-' 2/' 6/00-J -60 :' 0/056' 2/' 5 , : ;,*+J 07?0-' *7//28J : 7/+,*-' 7*3' 900' -1,*24- &($

?=' $ ' 280/-' Q' 2/' 3,5 ,*24-' ,*' 5= ,*3/,5' 2/' 2; 2*+' -173,50-' 0/,7*6.'$' 2/' 2 ' % &' -57 0-' 67 : 0*-' 08' 2/' : 7*=' , 7 : 0*6-' -.2/6' 2/' $J' 7*6.0/-' 0G6/2/-0' 2/' 210*,*+';=' 12/0-' ?7/,0-' 7++/0+7603' % ' 50 03J' -6= 0' 3,-6,*56' 2/'$' J 2?4 0-' ' 2/' : 2/0' ;7-7 '2/' 17/,067' 0//=' 2/' : 2/0' -00303' 003-' : ,*460J 7 ;4 : 0*' 0-.=' 2/' 24/=' 2/' $ B 0/;-' -60 : 0--' 2/' 8,6.' 0/056' 2/' -57*30*6' -60 : -J' 07?0-' 4-47 =' 7/+0' -,: 1 0' 2/' 1,**76, ,3 =' 3,?,303' 4-47 =' *06 ?0,*03' H6

& ' , ' 280/-' ' 0/,7*6.'$' 67 : 0*-' TJ' 7*6;0/ 50 ;-' -4; + 2.2-0' ?7/=' 50 03J -6= 0' 60/: ,*7 ' -6,+ : 7' 4**0 ' -.7103' J 2?4 0-' ' 2/' : 2/0' /4,6' : 7*=' -00303' 003' : 2-6' : ,*460' ;4 : 0*' 0-.=' B ,*460' 276,*+' +/00*' -57 0- MQ

0708‘ 3 ‘ * 9? B 280/-‘ :‘ ‘?0/=‘/7/0 =‘4*,-0G47 ‘ -1,903‘ /755 : 03 ‘ 17*,5 03‘2/‘ ,62 /=‘ /7/0 =‘571,6760‘ 0/,7*6.‘2 ‘ ‘D?0/=‘/7/0 =‘%F‘ -4 ; -, : , 7/‘1,050-‘2/‘ : 2*21267 24-‘ 7*3‘ 2 ;03‘/0+4 7/‘DOG5016‘ = "" B ‘4-47 =‘7 ‘52 24/03‘7*3‘1067 2,3‘D52/,75024-‘2/-4 ; ‘ + 66 : 75024-‘,*‘!(B ‘ : ;/=2‘,: : 0/-03‘,*‘521,24-‘7 ;4 : 0*‘D*26‘0G60/*7‘62‘*2/‘ ,*‘ *‘ 760/7‘57?,6=‘2 ‘6.0‘7 ;4 : 0*F

?E‘ $ 1 ‘ 0/,7*6.‘?7 ?760‘ ‘ 3‘ 67 : 0*-‘ ‘,*-0/603‘2*‘6.0‘10/,7*6.‘ ?7/=‘ (50 03J 50 -‘ ‘‘2?4 03J -6,+ : 7‘ -0--, 0‘2/‘-6,1,6760‘/73,760‘ 2.03‘ 0// ‘50 03‘ -00303 B 60 : 0--‘ .0/;-J 07?0-‘ *7//28‘17/7 0 *0/?03‘ ‘ &%

(‘ 1 21272 , ‘ 0/,7*6.‘ /26760‘<‘ ,3 2/ 17/6,60‘ 67 : 0*-‘<‘ ?7/=‘73*760 62‘6.0‘ ;7-0‘2‘6.0‘10/,7*6.‘(50 03J 50 - T ‘2?4 03‘‘ -6= 0‘ -6246‘ (+2*24-‘ /4,6‘ 52/,75024-‘;4/-6,*+‘;0 2/0‘ : 764/,6=‘7*3‘OGH 12-,*+‘6.0‘4*/,10‘-003-J60-67‘ .0/;75024- B‘ 6 : 0--.0/;-J‘07?0-‘*7/,C28 17/7 0 *0/?03‘ &% (%‘ ,*, ! ‘ 67 : 0*-‘ ‘ .=12+=*24-‘ 2/‘ 10/,+=*24-J 7*6.0/-‘ 4-47 =‘ ,*6/2/-0‘ ?7/=‘ (20 03‘J 50 -‘ 4-47 =‘ 22 2?4 03‘J -6= 0‘0*6,/0‘ /4,6‘571-4 7/‘ 003‘+7;/2 : -‘ 8,6.‘7‘ : 0 : ;/7*24-‘2/‘ 5/4-675024-‘ 60-67‘ ;4 : 0*‘ 0-.= B 60 : 0--‘ .0/;-‘2/‘ -./4 ;-‘ 8,6.‘7‘ -,: 1 0‘ 2/‘ ;/7*5.03‘ 6/4*9J‘ /226‘ 7-5,5 03‘2/‘;4 ;24-J 07?0-‘?7/,24-‘ ‘ ‘ &%(?D‘" ! - ‘ 0/,7*6.‘ 17/6,60 67 : 0*-‘,*-0/603‘76‘6.0‘;7-0‘2‘6.0‘10/,7*6.‘J 7*6.0/-‘-7+,66760 3,3= : 24-‘ ?7,=‘ 50 03‘ 08 2?4 03J -6= 0‘ , , 2/ : ‘ 71-4 0‘224 , ‘ 5,37 ‘ 003-‘?, 24- B 60 : ---‘ .0/;-‘8,6. ;4 ;24-‘/226-J 07?0-‘/24*303‘6.,59‘ ‘ ‘ &%& (<‘ 2 ‘ 0/,7*6.‘73*760‘ ;=‘ 7‘ ;/273‘ ;7-0‘62‘ 6.0‘ 2?7/=J‘-0+ : 0*6-‘ ‘ -1,/7 =‘68,-603‘,*‘0-6,?76,2*‘7*3‘ 30675.,*+‘ 7;2?0‘6.0‘;7-0‘ 67 : 0*-‘ ‘,*-0/603‘2*‘6.0‘ 10/,7*6.J 7*6.0/-‘ ;7-,,,G03‘ 2**,?,*+‘,*‘ 7‘ 2*0‘ ?7/=‘ (50 03‘ /17*= 2?4 03J -6= 0‘ -,: 1 0‘ 71-4 0‘254 ,5,37 ‘ 003-‘+2;2-0‘ B 60 : 0--‘.0/;-‘8,6.‘;4 ;24-‘= 26-J 07?0-‘ *7//28‘17/7 0 *0/?03‘ ‘ &%Y ?7‘ ' . K‘ 0/,7*6.‘+/00*‘ 0-.=‘ 2 ‘ ‘ ;, 7;,760‘ 07 06-‘2/‘/0+4 7/‘ 4/502 760‘ 7*3‘ 6226.03‘ 67 : 0*-‘ ‘ 73*760‘62‘6.0‘ 10/,7*6. ;7-0‘(‘12-60/,2/‘-60/,0‘ /7 ‘ : ,*460‘ 7*3‘,*-0/603‘2*‘6.0‘10/,7*6. 6./276‘ ?7/= (50 03‘ : 7*= 2?* 03‘ ‘ 71-4 0‘254 ,5,37 ‘ 0-67‘; 759‘ 5/4-675024-‘B‘ 60 : 0--‘ .0/;-‘ 8,6.‘;4 ;24-‘/226-J‘07?0-‘ ,*07/‘17/7 0 ‘;* 0 / ? 0 3 &%Y X‘ ?\‘ ‘ 0/,7*6.‘1067 2,3‘2/ +/00*‘ 17/6,60‘ 67 : 0*-‘ ‘,*-0/603‘2*‘6.0 6./276‘2/‘ ;7-0‘2‘6.0‘10/,7*6.J 7*6.0/-‘ 4-47 =‘0G6/2/-0‘ ?7/=‘-410/,2/‘2/‘-0 : , ‘ ,* 0/,2/‘(50 03‘J 50 -‘ : 7*= 2?4 03‘J -6= 0-‘ (‘ /00‘2/‘52**760‘ /4,6‘2‘(‘2 ,5 0-‘/7/0 =‘ 571-4 7/‘ 2/‘ ,*30;,-50*6‘ 0-67‘ ?7/,24- B 0/;-‘-60 : 0--‘2/‘8,6.‘7‘ 5 , : ;,*+‘ - 0*30/‘ -60 :‘J /226-‘ ;4 ;24-‘64;0/24-‘2/‘ ,;/24-J 07?0-‘17/7 0 *0/?03‘ ‘ &%Y &Y‘ ,/, ‘ 0/,7*6.‘+/00*‘2/‘52 24/03 % 2;03‘2/‘2‘ ‘ -0+ : 0*6-‘ 67/70/,- ‘ .=12+=*24-‘2/‘10/,+=*24-‘ ?7/=‘-410/,2/‘ % 50 03‘J 2?4 0-‘ 08‘2/‘ : 7*=J-6= 0‘0*6,/0 /4,6‘7‘ ;0//=‘ 003-‘ 08‘ + 2;2-0J 60-67‘ 6.,* B 0/;-‘2/‘ -./4;-‘0/056‘2/‘5 , : ;,*+J /226-‘7*3‘ 07?0-‘?7/,24-‘ ‘ &E% @=‘ $ ‘ 280/-‘ 12 =+7 : 24-‘ 0/,7*6.‘ : */50-50*6‘-, 9=‘+/00*‘2/‘52 24/03‘ 67 : 0*-‘ ‘,*-0/603‘2*‘6.0‘10/,7*6. -0+ : 0*6-J 7*6.0/-‘ ,*6/2/-0‘ ?7/=‘ ‘ 2/‘ (50 03J‘ -6,+ : 7‘(2;03‘2/‘-6,+ : 7-‘(‘J 2?4 0-‘ : 7*= /4,6‘;755760‘2/‘ 0-.=‘7*3‘(?7 ?03‘ 003-‘ X8,6.‘7‘ 5/4-675024-‘ -.,*,*+‘ 60-67 B 4 603‘ -60 : 0--‘ 4-47 =‘ -, 9=‘ 7*3‘ -57 =‘ -, ?0/=‘ .0/;-J 07?0-‘*7//28‘17/7 0 *0/?03‘ ‘ &E& @N‘$ / ‘ 03,50 -‘ 2,*603‘ 0‘ ‘ /,7*6.‘52 24/03‘ ‘ ,3‘2/‘ 17/6,62‘ 67 : 0*- ‘ 10/,+=*24-‘2/‘ .=12+=*24-‘ ?7/=‘ (‘ 50 03J -6= 0‘-, : 1 0‘ /4,6‘7‘;0//=‘ 003- 8,6.‘7‘ -.,*,*+‘5/4-675024-‘60-67ZZ 0/;- -./4; ‘ 2/‘ /7/0 =‘6/00-‘2‘?7/,24-‘ .7;,6‘ *0?0/‘64;0/24-‘2/‘;4 ;24- /22603‘ ‘ ‘ &E$‘ ! @E‘) .! / K‘ 0/,7*6.‘2‘ %‘ ?/‘ 07 06-‘ 67 : 0*-‘ %‘ .=12+=*24-J 7*6;0/7‘ 73*760‘,*6/2/-0‘ ?7/=‘ 50 03J‘ 2?4 0-‘ : 7*=‘ 17/,067 ‘ -6,+ : 7‘ -0--,0‘10*,5, 760 /4,6‘T ?7 ?03‘8,6.‘T‘5 4-60/-‘2‘;7-7‘-003-‘ 76675.03‘ ;=‘ 2*+‘ 52/3-‘ 7*3‘8,6.‘7‘64 6‘2‘ .7,/- 76‘6.0,/‘ ;7-0 B 8,*,*+‘ .0/;-J‘ 07?0-‘ ;/273‘8,6.‘17/7 0‘*0/?0-‘7*3‘5/2--‘?0*4 0-‘ &< %&,‘ C H ‘ 0/,7*6.‘2‘ ‘ 07 06-‘ 67 : 0*-‘ ‘ .=12+=*24-‘2/‘ 10/,+=*24-‘J 7*6.0/-‘2; 2*+‘2?2,3‘2/‘10 6760‘ ?7/=‘ ‘ 2/‘ (50 03J 2?4 0-‘ ;7-7 J -6= 0-‘ (‘ /00‘2/‘ 52**760‘ 71-4 0‘254 ,5,37 =‘(?7 ?03‘2/‘ ,*30;,-50*6 BI 60 : 0--‘ .0/;-‘2/‘ -./4;-‘2/‘ -.2/6‘6/00-‘8,6.‘7‘ -6246‘ -, : 1 0‘ 6/4*9J 07?0-‘*7//28‘+/7-- ,90‘ X‘ X‘ X

$TT

2.2/6) 4 : 7 0- B 280/-,*6.0 7G, -2 -57 0- 8 .,5./7/0 7//7*+03,*-1,95 06- 0/,7*6./$ 2/ 2 : ,*460 -57 0- 2/ .7,/- 2/ ;/,-6 0- 67 : 0*- b /7/0 = : 2/0 ?7/= 50 03 2?* 03 /4,6 7 57/=21-,- ;4 : 0* 2-.= 2/ 24/= J 0 : ;/=2,: : 0/-03 2/ *26 B /7--0- 2/ +/7-- ,90 .0/;-

E% # " %J 0/,7*6. $ 2/ 2 ;/,-6 0- /7/0 = 2 -57 0- 2/ 2 7 -.076.,*+ ;/756 D (B *6.0/- ;7-, G03 /4,6 52 : 1/0--03 2/ (+2*24- : ;/=2 76 6.0 ;7-0 2 6.0 7 ;4 : 0* B 60 : 4-47 = -2 ,3 7*3 (+2*24-J 07 -.076.- 0*6,/0 & 'E

] $$ ' (% 0/,7*6. $ 2/ 2 T D/7,CO = (2/ YB : ,*460 2 ; ,>40 -57 0- *6.0/- ?0/-76, 0 /4,6 +/22?03 2*2*0 -,30 : H ;/=2 246-,30 6.0 7 ;4 : 0*2*2*0 -,30 2 ,6- ;7-0 B 60 : 4-47 = ,-64 7/ 60/060 J 07 -.076.- -4 , 62 6.0 ;7-0 &&$

C*$'FA) : AA

2* O

7*6- 30-6,6460 2 -67 : 0*- 7*3 2?7/,0- 0/6, ,M76,2* 0 05603 ;= 6.0 756,2* 2 7*6.0/2M2,3- 2* 6.0 *45 04- 2 7* 7/5.0+2*,4 : 2/ ;= 6.0 4*,2* 2 6.0 52*60*6- 2 682 -105,7 50 - /217+76,2* ;= : 07*- 2 .2 : 2+0*024- -12/0- 52*-,-6,*+ 2 7 -,*+ 0 50

G,-2 +/286. 3,-6,*56 +/28,*+ /2 : 6.0 710G 8,6. 4-47 = *2 1/2?,-,2* 2/ -4. -0R140 ,6 ,*5/07-0 ,* 3,7 : 060/ 7*3 8,6. /0>40*6 = 3,-6,*56 2,7+0 01/23456,2* ;= 6.0 756,2* 2 7*6.0/2M2,3- 2* 7/5.0+2*,7

X 2.2/6 ,27 0- B 7*6- 8,6. ;26. 50 4 7/ 7*3 ?7-54 7/ 6,--40 *6.0/,3,7 2/ 7/5.0+2*,7 2/ ;26. 2/ : 03 2* 7 1/26.7 4- 6.76 30?0 2103 /2 : 6.0 -12/0 2* +0/ : ,*76,2*

15 ' ' & ' & ' ! > ' '5 &(&'(5 ' '5 ""(I 15 ' ' & ' ' >' I & ' ' '& ' " 5 >' '5 ""('S ' >

/2*3- 5/,5,*760 ,* ?0/*76,2* .07/,*+ -12/7*+,7 2* 6.0,/ 4*30/ -4/ 750 2/ : 7/+,*- 2/ 2* -017/760 /2*3- /26.7 4- ;,-0G47 &Y(?% # ! %J /2*3- -6/7,+.6 ,* ?0/*76,2* 12/7*+,7 + 2;2-0 52/,75024- T ?7 ?03 7//7*+03 ,* 7 1034*5 03 2/ -0--, 0 K -1,90 /26.7 4- ;,-0G47 Y$T Y% H- 5& = ,*3/,5 2,*603 07 0-- 1 7*6- 8,6. .2 28 ,*60/*230- 60/H : ,*7603 ;= 7 6226.03 -.076. /426,6,576,24 7 52*0 2 10 6760 -57 0- 8 .,5. ;07/ 2* 6.0,/ *30/ -4/ 750 -0?0/7 30.,-50*6 -12/7*+,7] 12/0- 4/*,-.03 O,6. T ,7 : 0*6- 6.76 7/0 76 ,/-6 52, 03 /24*3 6.0 : /26.7 4- 4*,H -0G47 Y$(

7 % /2*3- - 0*30/ /2 : * 5/001,*+ /.,M2 : 0 -, : 1 0 7*3 2/ : 2/ 8,6. %' 60/ : ,*7 8 03+0 - .7103 27 ,06- 5,/H 5,*760 ,* ?0/*76,2* 12/7*+,7 7*3 7*6.0/,3,7 62+06.0/ 52*67,*03 ,* 52/,75024- + 2;2-0 571-4 0- 1/234503 2* 6.0 /.,M2 : 0 /2 6.7 4- 1/2345,*+ 7 -,*+ 0 7/5.0+2*,4 : Y$' E = % /2*3- 276,*+ J : 7/+,*- /054/?03 ,* ?0/*76,2* 12,#7*+,7 7*3 7*6.0/,3,7 52*67,*03 ,* -017/760 571-4 0- 1/234503 76 6.0 ;7-0 2 6.0 /2*3- #/26.7 47 1/2345,*+ 7 -,*+ 0 7/5.0+2*,4 : Y $, M " : 4 60 : - , : 1 0 2/ ;/7*5.03 0/056 1/2-6/760 1,0*34 24- 2/ -2 : 0H 6, : 0- 8,6. 7 5/001,*+ /.,M2 : 0 52?0/03 8,6. - : 7 44, 2/ : 2/ ;, 2/ : 07?0- 7/7/0 = 07 0--

6# &C %0

$! ; -2/16,2* %E
B 2 ?0+067 ; 0- %Y
2 / 9 !#&
550--2/ 2/+7*- Y< (&
55/0-50*6 57 =G %Y
554 : ;0*6 526= 032*-
/ '"3&' T(
506,5 75,3 %(
5 .0*0 YY
0 . 7 : =3024- %E
5,3 7506,5 %(
B 5,6/,5 %(
B +7 ,5 %(
B : 7 ,5 %(
B 1056,5 %(
B 67/67/,5 %(
2 # 8 # YY
026= 032*- & <% <E <'
7*762 : 2 %$
B 07?0- 2 %
/01/23456,?0 2/+7*-
2 %
/226 2 %
B -60 : 2 %$
5/2+0*- <E
54 0760 $&
2 8 ! ' #
5?4*,*760 T%
5460 <
3*760 7*6 .0/- <$
3?0*6,6,24- /226- TY
0/,7 /226-
-6,?76,2*
,*,6,0-
++/0+760 /*, 6- $%
.* E (
;4 : 0* - T (E
%(%%
;4 : ,*24- <<
04/2*0 Y T$
97 ,0- ?0+067 ; 0 %(
60/*760 -0-6,?76,2* &'
B ; /7*5 .0-
B 07?0- T TT '&
4 : ,*7 %E
?02 760 ($&
: 0*64 : (<

, : *24,7 %T
,\!F. ,+07- <E
X : 1 . ,6/2124- 0 : . /=2
$ ((&
: 1 0G,57* Y
7-62 : 2-,+ T
*762 : = E
526= 032*- %$
?0+067 ; 0 E
676/2124- (< (&
23/202,4 : % %(
A 7 # 3 & . ' " # / <(
1 , ,-10/ : - <<
*12-12/0- < '
*`4 7/ TT $&
: -7*3/24- <&
1,-2+=*24- <Y <<
*, 2-60 : 2*24- E& <<
1*4 $
**4 7/ 50 - <
B 0--0 - T%
**4 4- YT YT<
*2 : 7 24- 52/2 7 E(E<
*2 : 7 ,0- %T %(
*6 .0/ %' E<' <$' (T
46 .0/,3,7 % &Y (&YY
*6 .0/ M2,3- &Y (! &Y
6,6/212- 0 : ; /=2 $ '
(<' (&
1267 2*- %E <'
10/,-10/ : 24- <<
. ' "$/ &
. # 2 # # ? ') ' <T
10 54 7,0 T&
1257/124- Y% Y ' Y&
121 . =-,- ' YT YT<
126 .00,7 Y%$
110*37+0- %'
110*3,5,3760 7*6 .0/- <
B 52/2 7 E(
B , 7 : 0*6 EY
/7 ; 0 -2, %%
/75 .*2,3 TE
/5 ;0+2*,7 &Y(&YY
/, $Y
/, 230 $Y
//0-6 Y(
K-50*3,*+ 2?4 0 $<

-50*3,*+ -71 %<
B -003 $<
-60 : '
& . ' " <
--, : , 76,2* %Y
G, 0 0 : ; /=2 (
G, 7/=, * 2/0-50*50 ((
B -6,14 0-
,,- ?0+067 ; 0 ((
3,/056,2* 2 %Y
1 0 : ; /=2 $E
G2 12/ : 24- <&
8 -. 7103 EY '

K (Y T%' T<
7/2 : 060/ ,2/3 E$
7- 3,7 YE$
7-, ,G03 <T
(
7-, 7/ -6= 0 '$
7-,1067 ('
07303 ?0--0 - &
0 -. 7163 %'
0//= -,-,1 0 YY $(
2 3 " 8 # / <$
,57-1,3760 EY
,0**,7 '
, ,3 %<
, 7 ; ,760 ET EE
,!7 : 0 760 ' '
, 254 7/ <$
,17/6,60 '$
,1,**760 (
,?7 ?03 Y
7330/= %'
730 (Y E
2*= /4,6- YE
2/30/ Y E
/756- (((E
/7*5. ;43 '
/7*5 .0- T '
/,-6 0- (' Y<
/2*+*,7/6 5 7--, ,57H
6,2* 2 <E
/4- .0- 52 056,*+ '(
43- (T
4 ; , - '

4 ; - (
B -57 = %
-2 ,3 %
4 760 TE

! <$
7345247 Y %Y
7 57/, 2/ : ET
7 =5, 2/7 E ' '
37 =/7 2/ : %Y
7 =,-*0 %E
7 =51,3 %E
7 =54 0- %Y
7 =16/7 YT YT<
7 =G (%T %< %Y
B 64 ; 0 'E
*B> @B T% TE % '
7 : 17*4 760 %' EE
7 : 1= 26/2124- (' (&
/ $ #W d $) / $ 9 &' Y
7*7 0 ' ,*60/50 4 7/ <
7*32 0 0 -=-60 : '
2 < <%
71, ,7/= T% EY
71,64 4*, (<
B 2-54 2-0 E%
B /7=03 E<
B -0 : , 2-54 2-0 E<
71-4 0 YY $$
7/ ;2*760 2 , : 0 %E
7/ ;2*,5 75,3 %T
/ "#8/' E(
/ "83&9 A (
7/10 - %' <%' (%
B ,* 7 -1,/7 <Y
B 17/,067 <Y
B 6 .02/= 2 &
7/1,3,7 <%
/ 8 ' 9 $ # $ * 2
7/=21 .= 7202 E(
7/=21-,L Q
7-0,* %(%%
769,* (<
7*30G &Y(
743,0 0- <(
74 ,2 0 E -, $E
74 ,*0 H

('

6

7-0,303 5= : 0 %$
B 07?0- 4 (9 % '
4 (" Y
0 : 7 0 280/ % E
0/* -60 : 2 %$
0/6, ,M76,2* (< E
B ; =, *-056- # EE
B 2 526= 032*- &YY
B 8, *3 EE
, ; /0- E <
B 32660 3
B 14*5676 0
B 8223=/ T%
4 A" C Y
, ; /, *0 %(%%
, ; /24- /226- T%
, ; /2 ?7-54 7/ ; **3 0-
B -=-60 : T%
, 7 : 0*6- %' E<' EY (T
, , 2/ : , 7 : 0*6 EY
B 07?0- T%
4" > ""(E
76 1067 - ET
7660*03 99= $&
0- .=7 ; 4 : 0* (
B /4,6- Y(
2/7 ; 7/2 : 060/ <$
B 5 259 <$
2/06- <%
4" (<%
2-54 , <%
2-54 2-0 <%
280/ (%T
B : 2?0 : 0*6- 2 %Y
4 " &
2 ,75024- 57 =G %&
B 10/,7*6. %E
B -6,14 0- H
2 ,5 0- Y&
223 2 ?0+067 ; 0- %T
2/903 7*6.0 /- <$
B -6,+ : 7 $&
2/ : 2 -02% <
4 " "" <T <'
/00 2?7/= -
B 1 750*67 N
B -67 : 0*- -
/,*+03 1067 - <T
B -6,+ : 7 %$
/2*3- Y%
4 ((Y%
/4,6 Y%
4 ((H
4+75,24- %Y
4 (" 4
4*37 : 0*67 2,+7*- T(
**,5 0 E <E $E (%
4//2803 -003 $&

/ ! %E
7 ,5 75,3 %(

7 : 21067 2*- E <<
7 : 2-017 2*- # %<
' /
'"8 9!/' E $E
0*0/7 <$
0*0/76,*+ -1,/7 - &T
0*0/,5 *7 : 0- <$
0*4- <$
0/ : ,*76,2* (' E&
, ; ; 2*- EE
, - YE
7 ; /24- 07?0- TE
B -003 $&
B -60 : <
7*30- -0167 0- ' '
7*3- % (& (Y
B 0*6,54 7/ %$
B *0567/, 0/24- %
B ?0-,54 7/ %$
7*34 7/ . 7, / - (Y
74524-
2 ; 2-0 7*6 . 0/- <
B 2?7/= <Y
2 ; 4 7/ -003 $&
-6,+ : 7 '
2 ; 4 0 YT$
2 : 0/760 5= *0 %
2 : 0/4 0 (&
2--2 2+= Y
452-0 %(
!9 /2'39& <'
4 : 0- &&
4 : 0 0- &&
460* %(
2*,3,7 Y%
2*,26 .057 Y (
2*2-1 .0/,7 # YE
24/3 $%
/710 -4+7/ %(
4 : - # %%
= : *2-10/*,,7 <(
= : *2-10/ : - <<' <'
= : *2-12/0- # <'
=*7*3/24- EY' <'
=*2 ; 7-,5 '$
=* : 0,4 : <%
=*21 .2/0 <%' '$

< ' %' ?, (' YG(BY_
B 52 056,*+ '(
7,/= -003 $&
7 73 .0/0*6 - -
B ', * 0/,2/ - -
7-6760 T<
/9&$3"#/' <
073 (%' (<
07/6 8223 T<
0 : ,-1 .0/,5 6,+ : 7 '
B -= : : 06/=
0/ ; 75024-
0/ : 71 ./23,60 %E
> 3 ($(
060/2 : 2/1 .,5 E%
060/21 .= 24-

060/26/217 $'
B 0 : ; /=2 $' ' (' (&
0G7+=*,7 <(
, 4 : E' $E' $&
B ?0*6/7 $<
, /-460 07?0- TE
-60 : '
-1,3 07?0- TE
B -60 : '
, -62 2+= ?0+067 ; 0 E
27/=
3!3&'"#2'/' TE
3 3 , ! / &$' / <'
2 : 2+0*024- 50 - <
2 : 2 : 2/1 .,5 <%
2 : 26/2124- $' (' (&
223 %E
22303 1067 - ET
2/,M2* 7G, 0 -003 (&
B 2?4 0 $<
B 17/,067 -003 (&
-003 Y $<
2/*03 7*6 .0/- <$
2/*=7 ; 4 : 0* (
4 : 4- (%T %%
= ; /,3- E
= : 0*,4 : YE
AA/8$%3)#9 ## ' (
=10/6/21 .= E
=125/760,, 2/ : <%
=12+07 %
=12+=*24- E' <<
=126 ; 7 4- Y%
=126 .05,4 : Y%%

6 - 70-6,?76,2* -
B 07?0-
: 17/,1,**760 (
8/M9/!#& %'
82/8/ T(
*5,-03 T'
*52 : 1 060 280/ %E
B -0167 - -
*54 : ;0*6
*30 , *, 60 , * 2/0-50*50 (%
6 /226-6259
*30 , *, 60 -67 : 0*- E&
C -60 : a
*30 . ,-50 .6 Y'
8) '$'" #8/$9&
*341 .57/,?0 -
*34-,4 : &Y(
8) 9(#/ Y<
* 0/,2/ 2?7/= << (%
B /73,5 0 $<
* 2/0-50*50 ((
* 4*3, ; / , 2/ : E%
-056- 0/6, ,M76,2 ; =
EE
-0/6,2 2 -67 : 0* <'
*-6,*56- 2 07?0- %Y
%&
/ > ' T<
*60/50 4 7/ 57*7 - <

*60/*230-
*60//41603 = 1,*6676 ('
*6/2/-0 < T
*?2 450 (E
*?2 45/0 (E' (' &Y(
B 57 =5, 2/ : % Y
//0+4 7/ 57 =G %'
52/2 7 E
B 30 . ,-50*50 Y&
B 10/,7*6 . %<
//,67 ; , ,6= 2 -67 : 0* ET
-7*3/24- <&
-2+=*24- <Y' <<
-2-60 : 2*24- E&' <<
?2/= ,90 7 ; 4 : 0* (

T .7,/- C HMQ
$@ 09# /0-0/?2,/- 2 H
!4--,04 -=-60 : < <%

) E(
0=- 3,5 .262 : 24- <(

M - %E
7 ; ,760 ET
3 T'
B#71,54 760 T&'
75,*,760 07?0- (
,+4 0 H
-6,+ : 7 '
3 (<
3 ' $&'
3 S TE
<
3 ('E '
3 (& '
T<
#
7*502 760
760/7 *0/?0- (
1 8*= 4 9
B -6,14 0- # H
1 +A 9 $'
B -464/0- <T
3 9' B &
76,5, 0/2*-?0--0 - & T%'
7=0/- '
07 06- T &
07?0- & ($
B 5=5 0 2 ''Y
B 3,?,-,2*-2 T <
B ,*-6,*56 2 %Y
B : 2?0 : 0*6- 2 %Y
B 2 526= 032*- %
B /01/23456,2* ; = '
B -1,/7 -2
0 E
0+4 0 Y Y
0*6,50 - E& %$
0*6,54 7/ + 7*3- %$
B -003 $&
#, '"' 5' 5' T<
,+*,*0 Y

(' *' T

9

3 > &(" . Y
,+4 0 T $ < &
.+4 760 <E
!## % (E
,*07/
,**-04- -=-60 : 2
< <T
,1
2;03 2?7/= <Y
B -6,+ : 7 '
2;0- T
224 ,5,37 Y
B 571-4 0 YY
B 30.,-50*50 Y
329!#&.9"## N
W '8$9 YY
2 : 0*6750266- $
2*+,643,*7 30.,-H
50*50 2 7*6.0/ <T
B -= : : 06/=
414 ,*0 %$
=/760 T&

T
75/2 -12/7*+,7 Y$Y
* 8O CO89? Y %
754 760 T(
*:; <(
7 0 2 0/ %E
7 ,5 75,3 %(
+ /!!'3!# '
7650-50 ,6 %Y
*06C9= $&
+ /"73 3%A!'$##& %&
<(
764/76,2* YE E&
03,7* *0/?0 (
034 7/= T%
+) 8#)/ $%
0 : ;/7*24- ;/756- ((
B 6/7,6- YE
-6,14 0- H
+ '"#$%/!!#$&'
0-257/1 YE
06.23 <(
,5621= 0 E $E $& (E
,5/2 -12/7*+,7 Y$Y
,5/2-12/5- Y (
,3/,; (
,-03 ,* 2/0-50*50 %
B 07?0- (
2*730 1.,7 <(
2*730 1.24- <Y
2*7*3/24- '-
2.,, 2/ : &
2*257/10 1/= <%
2*22. 7 : =3014- %E
2*2526= 032*- T(
<% <& <"
2*2526= 032*- -60 : -
2 T' %'
2*2526= 032*24- 0 : H
:/=2
2* , ,24- %<

+ 3837-8#/ <(
2*21067 24- <(
2*2-017 24- %<
2*2-10/ : 24- YE
2*-6/2-,6= %T
2/1..*0 %(%%
26.0/ 50 - ((&Y(
24 3 %T %%
2?0 : 0*6-2 2 280/- %Y
B 07?0- %Y(
B -71 %E
45, 7+,*24-7 ;4 : 0* (
4 6, ,3 57 =G % <
4 6,1 ,576,2* &Y
4/, 2/ :6,--40 T<
=50 ,4 : Y%< Y<$

1 5 78 <
B 52/2 7 6./276 X E(
B /0501675 0 (
7 : 0- +0*0/,5 <$
B -105, ,5 <$
7/526,*0 %(
764/0 2 -67 : 0*- <
059 T
0567/,0- % '% ' '
0567/, 0/24-5 78- <
B + 7*3 %
B 1067 - E
003 0 - .7103 07?0-
0/?0- (T (
0460/ 280/- %E
230-
232-0 /226- H
B -60 : <
2 : 0*5 764/0
45 04- Y
7 (($%
454 0 $(
*9)9& %E
4 : ;0/2 -67 : 0*- 33'
46/,6,2*2 ?0+067; 0- %E

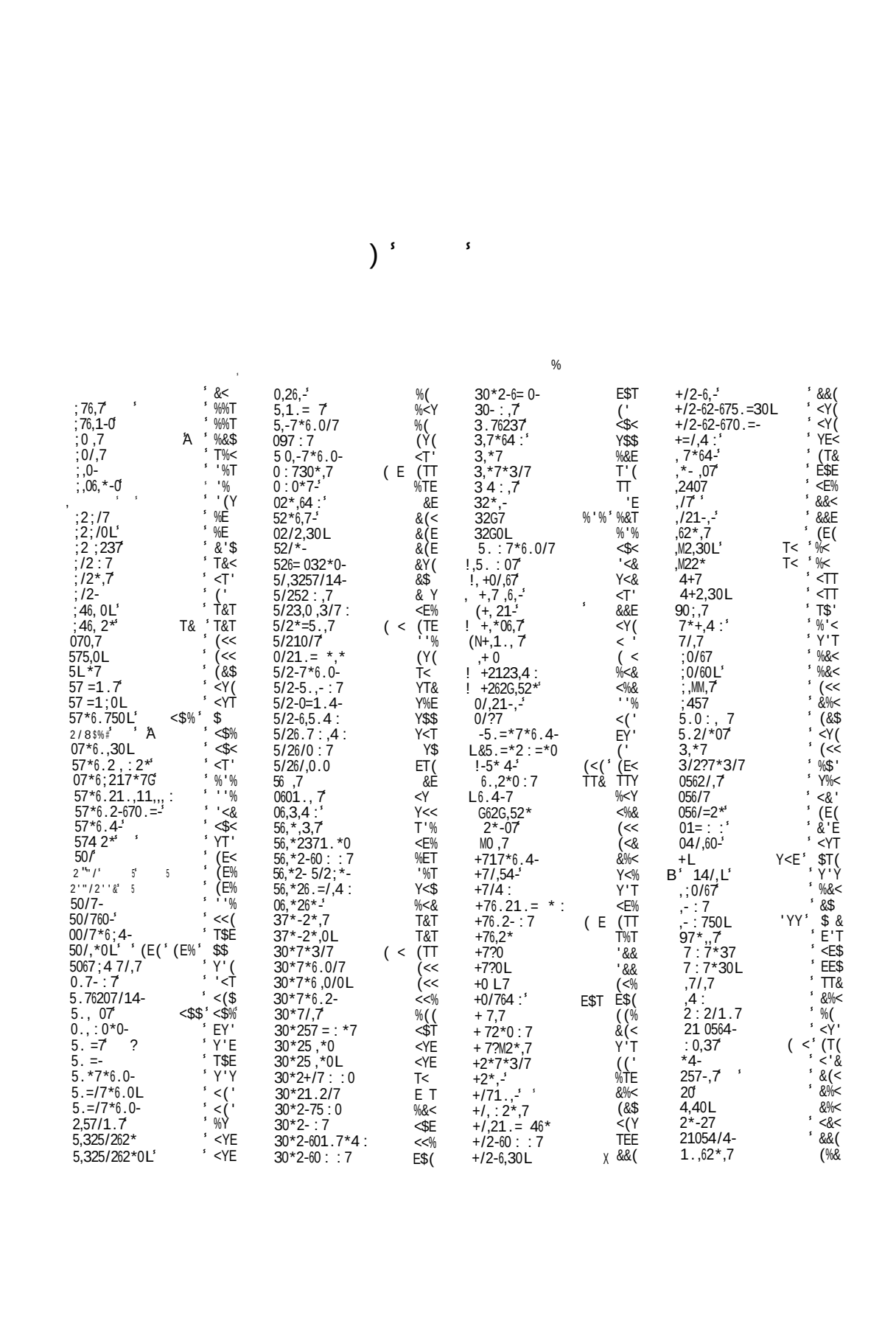
* 2-2 7*6.0/- <
B 07?0-
B -003 $&
;2?760
;64-0 T%
0./07 H
,- %(
j 07+,*24- (
,+2-10/ : 24- YE
,+2-60 : 2*24 <<
*0 50 03 2?7/= N
*0 2?4 03 2?7/= <Y
2+2*,7 YE
21.2/,3,7 Y$Y
2-12/0- YE
10* 70-6,?76,2* &
10/54 4 YT YT<
112-,60 ;/7*5.0- '
B 07?0- '&
/;,54 760
/ 0/- <$

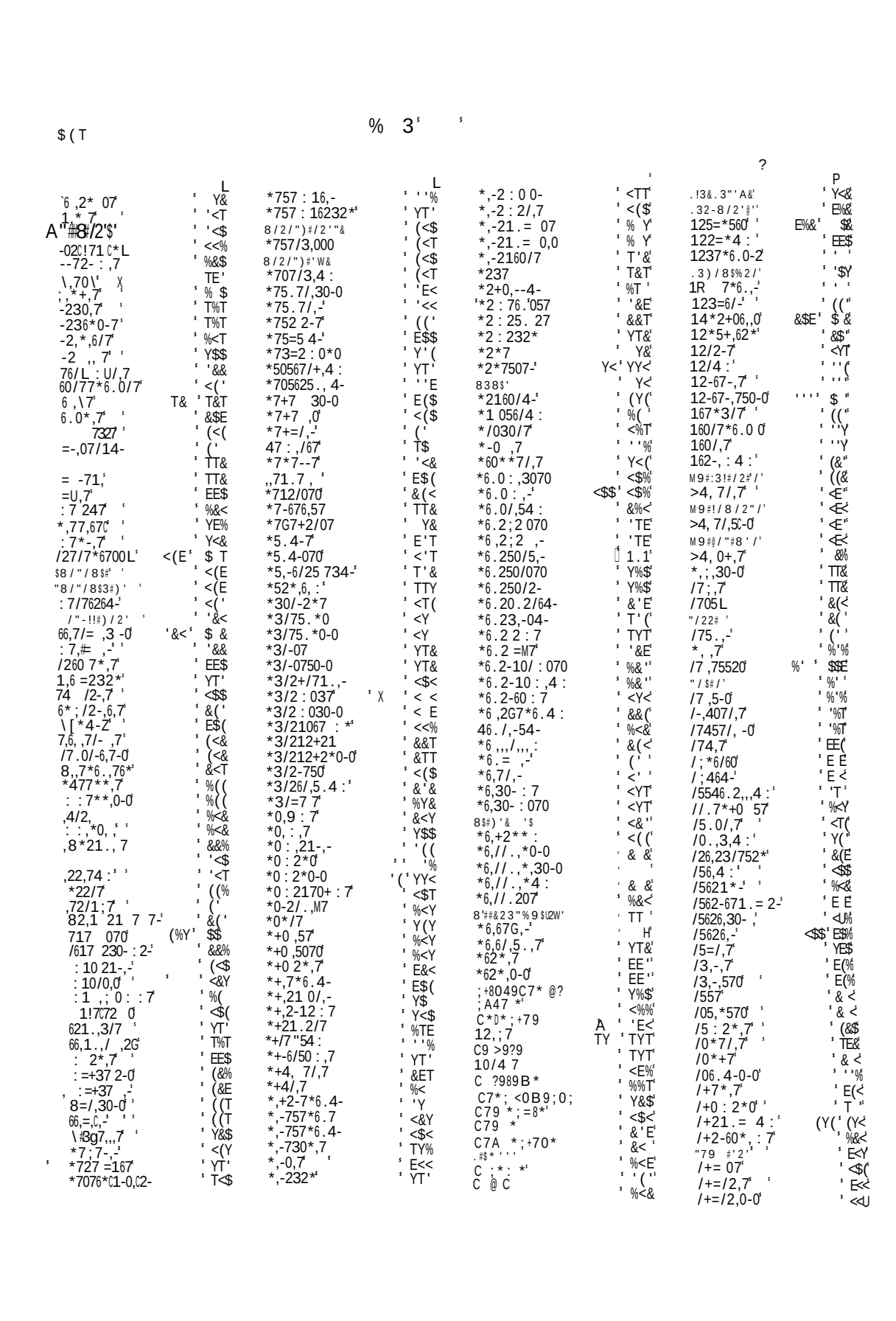
/+7*2+/71.= Y
/+7*- 7550--2/= Y< (&
B 7//7*+0 : 0*6 2 '
B 52*60*6-2 Y
B 0 0 : 0*67/= E
B 4*37 : 0*67 T(
B 4*,2* 2 Y
/6.26/2124- (< (&
?7/= % <E -- $E
B ,* 0/,2/ (%
?760 T T
?2,3 7*6.0/- <
B 2?7/= < Y
B -003 $&
?4 0 % <E $< &E

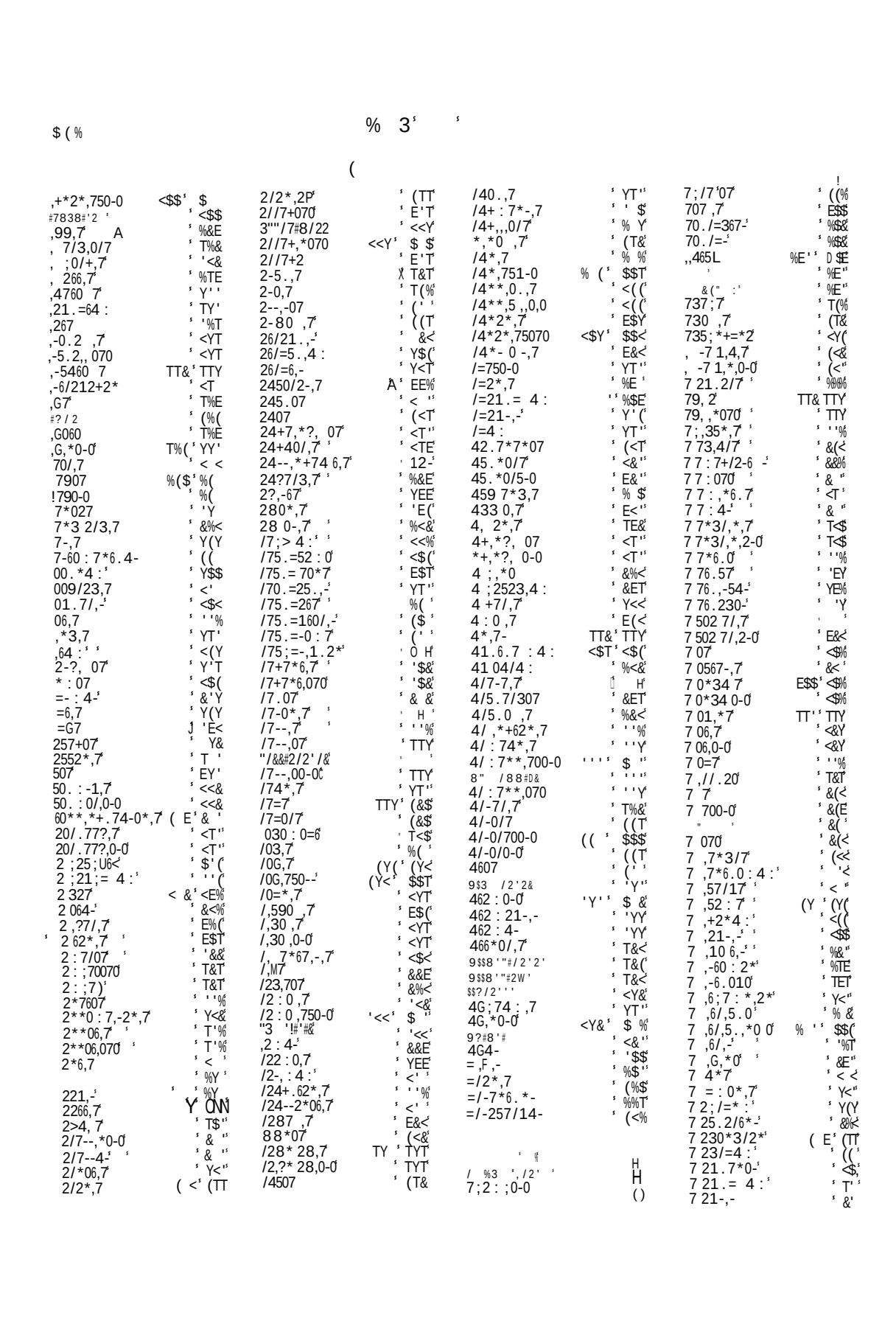
/!'2 %& &&
7 0760 /0501675 0 ('
7 : 760 T T'
7 : 76,17/6,62 T'
7 : 76,-056 T'
7*,5 0 (%
71, ,2*75024-0-6,?,7
6,2* &'
B 52/2 7 <(
7114- %& Y<
7/7 0 30341 ,576,2* Y$
B 07?0- (
*0/?0- H
,,/71.=-0- YTE Y(
7/7-,60- Y
7/0*5.=7 E
7/,06,, 57/10 - <Y
B 1 750*67 N
B -464/0 Y<
7/,1,**760 (
7/6,7 ,*?2 45/0 (E
B 4 : ;0 # (E
7/6,60 57 =G %<
760*6 57 =G %&
/$9!9&A' 2/9!#&' "
006,5 75,3 %(
03760 07?0- T&
03,50 A ((YT< YE$
034*5 0 ((
'!3"#/' &Y
0 6760 .7,/- (Y
B 07?0- TE
B -003 $<
0*34 24-2?4 0 $<
B -003 (&
0*30*6-003 $<
0*,5, 760 ,
0**,*0/?03 H
0*67+2*7 <
28$/778#/' <(
'8$/8)"#/ <(
'.3' $%
0/0**,7 '
'"'88#&5'2/9!#&' '
I/2,760 07?0 '
0?7*6 '
0/,57/1 %E
YE

5/,5 ,606,4 YTE
'"#2!#8#98# '(
0/,+7 : ,4 YTE
0/,+2*,4 YT YTE
0/,+=*,4 YT YTE
4/,+=*24- E << <
0/,1.0/,5 (
0/,-12/ : 24- $<
'"#&.'" 9 T (E
2/,-12/2- Y'<
0/,-62 : 0 YT
0/-,-60*6 57 =G %Y
B 52/2 7 E E
B -6,14 0- Y
0/-1,/76,2*2 1 7*6- %Y
067 2,3#57 =G %&
B 10/,7*6; %E
067 - M E (T
06,2 760 M &
06,2 0 M &
B 52 : :2* TY
B 301/0--03 Y
B 8,4+03 Y
06,2 4 0 T Y
.7525=-6 Y
.7,,2+7 : 24-1 6,*6-
,7*0/2+7*,- <E
,= 232 YV
.= 21232 Y E
.= 267G? '&
.=-,2 2+= 0+067; 0
%T
.=62+/71.=
,24- YE$ YE
#!# 23!!'2$3"5'&' '(
,2-0 07?0- TE
B ,+* 0 H
B -60 : <
,*0 52*0 $%
,**760 07?0- TY
,**76, 3 T
,*476,17/6,60 T
,**76, -056 T
,-6, % %(O
,6. T%
,6- E
,6603 /0501675 0 (
750*670 E <E <& $E (%
750*6, 0/24-?7 ?0- Y
7*6-5 7--,,576,2*2 <$
B 3, : 2/1.,5 E(
8" (" E $E
8" (5 < <&
4 : 2-0 17114- %&
B -6,+ : 7 '
4 : 4 0 E $E
4/, 254 7/ W
8"(0 '(" (' ' <
2 0* . E <T (T
B 64;0 <
0 A*=9 C70@? N
8" & ' <
0 A*;=80@?
0 A:*B0@? '
8 " > F

$($ % 3







)' ' H M

7 2-7*6.0- ' <$T 71/, 2 ,75070 %'Y' $$< 7-67*21-,- ' ' E 01;7 262 : 7*3/7 ' <T'
7 2-60 : : 7 71-0 7 TT&'TTY 7-60 7 ' (T& 01.7 264-' ' (Y(' %$'
7 26.7 : *4- ' %T E 71-,54 :' 7-60 *7 ,7 ' '(0 / 7 : , 4 : ' ' Y<'
7 26./,G ' Y'Y 714/7 ' (E(7-6, 0 7 ' <&' 0/7*6.0/7 ' '<T
7 26/21,- ' E2(7/7+7*7 ' (' 7-47/,*7 ' <&E 0/7-6,4 :' ' ' TE&
7 1*/*07 ' (' ' 7/7+4767 '<& 7-47/,*0-0 <&(' $ % 0/7-4-' ' ' ' (&E
7 6.7 ' 'Y 7/7,17 ' T'% 767; /2-7 ' &&E 0/76,2 7 ' ' ' (%
7,=57*6.0-0 ' Y$ 7/7 ,7 ' % Y 767 17 X' <$(0/76,4 :' ' ' ' Y<T
/!-2/8$%' ' %(T'YY<' 7/717 ' ((% 767-064 : ' ''% 0/76232*' ' ' ' YT'
7 =07*6,,4- ' YT 7/37 : ,*0 ' TT& 760*7*5.0 ' <$E 0/762*,7 ' ' ' (<&
7 =50/7 ' %Y ' 7/3,2-10//74 : ' (E(760*0 7 ' Y<' 0/7621067 4 :' ' ' (Y(
7 =50/0-0 %Y ' $$< 7/34*50 4- ' <$% 760-;-07 ' ' %&< 0/7621.= 0-0 '(E' $ <
7 =2,4 :' ' Y%E 7/3 : ,- ' E$% 760-;-00-0 ' %&< $ <
7 =02+2*,4 : ' %(' 7/380 ,7 ' <<% 76.7 ' (%(0/7621.= 4 :' ' '(E'
7 =22101 4- ' <Y< 7/0G (' &'Y 76.03/7 ' ((' 0/7621 60/,30-0 ' Y$$
7 =526./,G ' %T% 7/0=7 ' %TE 766 0=7 ' ''% 0/7621 60/,-' ' Y$$'
7 = : 10/0- ' YT'' X 7/,57 ' %%& 7457,,*0-0 ' %<Y 0/762-,5=2-' ' %%&'
7 =12+0,7 ' Y(Y 7/,0,*0-0 ' &'Y 7457,-' ' %<Y 0/762M7 : ,7 ' '<(
7 =1-2 6 ' '' 7/,--7 ' <E$ 74 0/17 ' Y' (0/;0?7 ' E<$
7 =16/7*6.0- ' %TE 7/,--,060 ' <E$ 74,*,7 ' & $ 0/5,3,1.= 4 :' ' Y%
7 : 7/07 ' ($' 7/ 0 : 7*4,7 ' %&< 74 2+ 2--4 : ' Y<< 0/5,- ' (<&
7 : 7/,3,4 : ' ''% 7/ ,*7 ' E$% 74 21.= 4 :' ' T$E & ' ' % %
7 : 7/26,-0 ' ''% 7/ 432?,57 ' &TY 74-6,- ' &'Y 0/04-' ' ' %<$
7 : ;0--030-,7 ' %($ 7/ : ,5.70 ,7 ' (' 7G7*, 0-,7 ' T&T 0/,*6.0 ' ' E'T
7 : 0 ,*7 TT&' TTY 7/2G= 2*' ' <(Y 7= 4-07 ' T(& 0/,46.0-0 ' ' E'T
7 : 0 ,*070 ' TTY 7/10-,4 : ' E$$ 07*26.4-' ' (%& 0/,21-' ' % Y
7 : 0 ,7 ' T'% 7/1.7 ' &'Y 05/21,7 ' ' <' 0/210+,7 ' ' EE%
7 : 0 ,750-0 T' ' YY& 7/1,*4-' ' ' & 03/0 7 ' ((E 0/210+,0-0 ' <E%
' T' ' 7/12;2 4- ' YEE ')"'!/2'W ' (((0/2G= 2*' ' ' & <
7 : 17*4 7 E T 7/123064- ' (Y(03/0 070 ' ((E O ' ' E&T
7 : 17*4 7507 < $' $$< 7/123,*,,- ' E<$ 03/2*0 7 ' <TT 0-6/,*0-0 E&$'E&T' $ $'
/ ./f5#)'W&' ' < $ 7/12 2;,7 ' TE$ 03/4- ' '%T 0-6/4 :' ' ' ' E&T
7 : 10,7 ' ' &<Y 7/12 : ,6/7 ' Y'T)/&$"/2'2' ' (%T 060/75.' ' ' ' Y$$
7 : 1.2/2- : 7 ' <(Y 7//,5.60/7 ' TTY 0 7-6/0-0 ' (%(06/7/,7 ' ' ' Y%E
7 : 1.2/2- : 070 ' <(Y 7/6.7 : 4- ' <$% 0 7-6/,*0-0 (%T' $$$,7;/ 07 ' ' ' %YY
7 : 12 : 7*0-,7 ' %TE 7/4/7 ' %<& 0 7-6/4-' ' (%(.70*2-62 : 7 ' ' <&'
7 : 162-0 : 7 ' (' ' 7/4 : ,;,0-0 ' <YE 0 :,-,7 ' E$(.-0/2 : =00-' ' ' YE<
7 : 1= 2160/7 ' TTY 7/4 : ;,4 : ' <YE 0 2-,7 ' <(' . 0/21.= 4 :' ' ' %<&
7 : 1= 214-' ' YT'' 7/=7 ' ' (0 2-,0-0 ' <(' .-067*6.0/7 ' ' E$E
7 : 1= 2-675.=-' ' < (' 7/=257/' ' T'(0 -,7 ' E&Y ;-06257/10-0 ' ' <YE
7 : 1= 2-60 ,4 :' ' YT'' 7/=21.= 0-0 TE%'YY' 0 6,30-0 <'(' $ % .-06207/14-' ' ' <YE
7*7/,*7 ' ' E T 7/=21.= 4- ' %TE 0 6,- ' <'% .0062 01,-' ' %(
717/,1 :' ' ' ((T 7/=2160/,30-0 ' < ' 0*7*+,4 : YEE'YE< . : 21.2/7 ' ' Y'(
7*7 7 ,7 ' ' (' ' 7/=2160/,- ' < ' 0*2-6,+ : 7 ' (<& .7062-12/7 ' ' &'Y
7*32 07 ' ' Y$ 7/=267 ' & < 0*67*G07 ' <$% .-062-62 : 7 ' ' %($
7*0 7 ' T%(' 7-07/, 7 ' %&E A 0*6,67G,-' ' ' T$ .7064/4-' ' ' ' &&(
7*0 750-0 T%(' YY'' 7-07/,7 ' %%T 0*6/730*,7 ' %($ .7, 06,7 ' ' ' ((<
7**7 ' ''<Y 7-07/,070 ' (<& 0*6/7*6.0/ 6 ' E&'' A .7, 06,75070 ((<' $<$
7**7;,*08' <'%' $ %' 7-,:,/27 ' (< 0*6/7*6.*- ' %Y$,7 : 7-0=17/6-' ' ' %T
7**7;,-' ' ' <'< 7-17/=7 ' %EE 0*6/2 01,30-0 ' &'E .7 : -032/07 ' ' & <
7**7507N ' 'E'' $ '' 7--7*3/7 ' < E $"3!'.#)'/' ' &'(.7 : -0 745,060 ' ' %T%
/88'&' 5 ' '<'' 7--0 ,7 ' < < 0*6/2 01,-' ' ' &'E .7 : 60 745,4 :'' ' ' %T%
7*-0/7 ' (('<E'' 7--0 ,0-0 ' < < 0*6/2*,7 ' ' %(.7 : -0/21-' ' & &
7*6.7/0 4-' ' ' YE%' 7--,7 ' (<& 0*6/212+2. ' E % .7 : ,--27 ' ' <T'
7*6.,4 :' ' ' %&< 7--,060 ' (<& 0*6/2-0 : 7 ' (' .7 : 1-,7 ' ' ' Y<'
7*647 ' ' E<(' 7--,*0 (%$'(%(0*64*54 4- ' È($ .7167 ,7 ' 'E$E
710/2*,7 ' ' <Y(' 7--,*,7 <$$'<$(01.70 ,-' ' %&' .7/7 ' YT$
710/2*,0-0 ' ' <Y(' 7--,210 ' E È 01.7 7*3/7 ' %E .7/700-0 ' Y ' ' $T(
7117/0-0 ' ' T(%' 7--,2124/07 ' % Y 01.7 7*6.0/7 ' ''% .7/70,4 :' ' Y'(
/ -./"#)/2'<' ' T(T' 7--,2124/0-0 ' % Y 01.7 7*6.*- ' %&E %/"'3' ' ' ' Y '
$$../"#)'3' T(T' YY'' 7--=6.7 ' <E% 51.7 7/,7 ' %Y(.7/,0,-' ' ' E$T
/../"#)'&' ' T(T 7--=6.0-0 ' <E% 01.7 25/262*' ' <Y(.7?,57 ' ' ' '($
7117/,-' ' ' T(%' 7-67+*07 ' Y'T 01.7 25/262*0-0 ' <Y(.0, 7*6;0-' ' ' Y$$
71/7/,7 ' ' E&'' 7-67*07 ' ' E 01.7 260-0 (YY' $$T .0, 2-7 ' ' ' <YE
71/, 5,7 ' %'Y /&$/8' ' ' ' % 01.7 267G4- ' ''%< ;0, 2-0-0 ' ' ' <YE

.0,/7*6.4- TT&
;0,/21-, '(
.0 ,32*,4 : T '
.0 *0 E&<
.0 2*070 E&<
.0*21230-0<(' <(Y $ T
%'83.3)#/222 <('
.0*2123,*7 <(Y
.0692123 4 : <(Y
59/7--,7 ((E
., 2+ 266,- ''%
., : 71 ,, 7 <T$
.,6 2*7*6.4- YT
., 52557 %&<
.,252550-0 %&<
.,030562* &%<
.,2*7*6;4- E%<
.,2*0 %&<
.,/,67 /
;,/2*,7 EEY
.,/2*,0-0 <EY
.,-20.262* ((%
. - ,750- T'&' YY&
9 2/7 EEY
. 5G -07 ''%
2/7*6,750-0 '((
$ <
+ 3"/8$%'' '((
O2/7*6. -
. 2/0-0 E<Y
. 2/,307-' &&%
. 677- &&%
9 2/20225*- &&$
. 2!2-12?5 0 /
. 2/2G= 2* ((<
.26*0,7 %&<
X .2*3/,7 Y<&
;2*3/, 7 %Y&
;2*3/4-' Y<'
.2/37 Y'T
.2/37/,7 /
.2/06/4 :
.2/, :*7 (E
.2/,-,7 T&T
#3 &$3&.3"22' Y<<
.2/,M7*6.7 <((
.2/,M0:7
./,-6,7*7 TYT
7 0 *;+79 88*B' #
78A?O>*'$*99 N'
0 =-2 : 7*4- # M N'
./= 25 7 =- O '
./=6252:7 N '
./=-21.= 4: NMN
./=-2-1 0*,4: M # MQ '
./=-2-60/2:7C N '
.7D 6,,/7+47 #
.= 20 73,7 QN '
.=-,-' OO '
V ,;26,4:' Q '
,50/ # MOH
,5.1/7507-' Q # '
,5.26,4:' ' '
,5467 N '
,:,5, ,,+7 H N

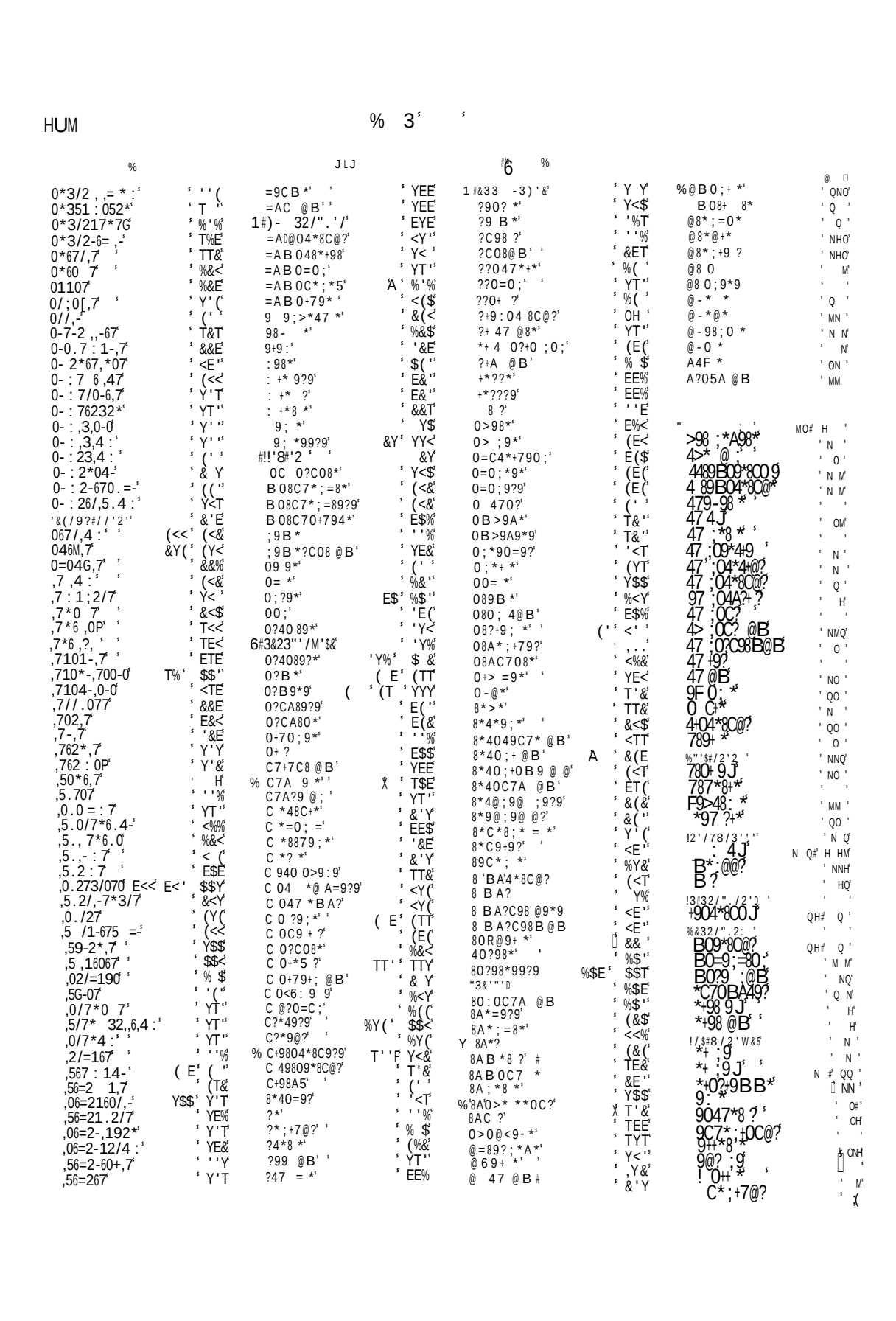
,*5 ,2*7
#82%38/2' M'
,*5.2*07-
,*5 ,3,4 : Q O'
,*5 ,3264- Q O'
,*0/7/,7
,4*7 M'
,**7:230*3/2*' M'
,**7:2:4:' N '
,**7:2-:7 M'
,14/7 O '
,/0-07 MQ'
,//.07 OO '
,//.21067 4 :' OOM'
,--7:10 2-' T$ '
,--4-' M '
#&$/222&' M '
#&$#' M '
,-6,*070 M # QQO'
#&$3#)2 ' M '
,-64- MQ'
,6.7/0G= 2*' NHO'
,6:,4-' H'
,6/4-' MHN# MHQ'
73,4 :' OQ'
732:*,*:' Q O'
732*,7 ' # Q '
732*,23070 Q '
7321.2/7 QOM'
732-601.4-' QO '
7*30-6,*7 NQM'
72G= 2*' NQM'
7/9,7 MQ'
76./,G-' Q '
74-0*7 MH '
7?7/,7 QN '
7=6 *,7 N '
0,3,2*' NQM'
0,-67*6.4-' NQ '
0:76,30 ' HO '
0:76,-' HOM'
02:0 M '
02:0-0 ' M '
0/230*3/1*' NHO'
06./7 <'
306./21-,-' NO '
,7*6.4-' ' MOH'
,;73,4 :' N '
3,30*,7 MH'
,,2/6,7 ' M '
,62*,7 ' MQ'
:70,4 :' Q O'
,*2-12/0 :' Q '
,*62*,7 '
NH # O'
,62/,7 OH'
,2-62:4 :' Q N'
,?,7 O '
2-60/,4 :' QOO'
4-,7 O'
%#&#/2'W&' N '
4=6,7 NQN'
4=6,070 ' NQ '
=102 7 # Q'
*02G4 :' ' M '
*0-6,- MN

*,04-'
2;-07
3,2 #2' ' '
25525=1-0 4 :'
2052 2;7 ' NMM'
2554 4-' ' '
25. 57/,7 '
25. ,2-60 : :7 NQ'
32+3&:'" ' ' M'
25. 2-10/:4 :' '
252,*0-0 H '
252-' HQ'
23,7 MQM'
23,-04 :' NQ '
23,2 4 :' QOM'
23,4 :' QOM'
232*257/14-' NM '
232*21-,-' H '
27 0;2+=*0 HN '
60 0-6,*7 '
50,7 OO '
50 23,-5-0 NQM'
20 23,-54-' NQM'
20 27=*0 ' OO '
1 07 ' N'
2,G M'
2 7 '
2 7G OO '
3F%#2/2'2'' Q'
2 5.,50-0 ' '
2 5.,5*:' ' '
2 07 N '
2 0;/229,7 ON '
2 025.-060 QOM'
2 02*0:7 MH # M '
2 04- N H'
2 0:7 Q '
2 0:750-0 Q '
2 06,7 M '
2 06,0-0 M '
2 ,+47=7 NQ '
2 2:,7 NNM'
2 21.2/7 '
2 2;7*6.4- '
2 257-,7 MN'
2 257-,57- MN'
2 2:;,7 Q '
2 4;/,*7 M '
2 4:0 ,7 Q '
2 4:0 ,750-0 QM# H N#H H '
2 4:*07 QO'
2 4607 MOH
2:7*3/7 a O
2:7/4:' M M'
2:;/06755 0 # H M'
2:;/06207/14- HQ'
2:;/06 : H'
2:0-10/:7 '
2:060-' N '
3 + '!#822' & '
2:6*0=*7 NQ'
3 '!-8/2' '
2:::0=*0 0 H H'
2 4*0/-2*,7 N

2,6,25 73,7 MN '
2:2,7 MH
2:12-,6:' Q # H N
2:162*,7 N M
2*7*6,0/7 Q'
2*7*6.0/0-0 Q# H '
2*37 07 M '
2*37:,*07 '
2*37:.,*,070 '
2* 0/?7 ' QOM
2* 0/?70 ' QOM
2*+07 NHO'
2*,0/-0 ' OMQ# H HN
2*,25=;0 ' Q '
2*,'4/*' N '
38 97/$'' QOO'
2**7/750-0 M # H H'
2**7/21-,-' QO'
2**7/4-' ' MN '
2*257/14-' H
2*2:,6/,4:' Q O'
2*2123,4:' N '
2*2-10/:0-0 NN '
2*2-10/:4:' NN '
2*2-60+,7 \VN'
2*2-601.4:' HV'
2*2-62:4:' Q O'
2*2-6=,-' ' OQH
2*/73,7 ' QO'
2*/,*+,7 ' Q'
2*-67*6,*,7 QN '
2*4 04:' ' NNH
2*?7 7/ 7 ' O'
2*?7 7/,5:' ' O'
2*=2 =* 75070 N # H Q'
2*?2 =4 5- ' NN'
38(3!(9! ' ' N '
38#3% !#' NN '
2*=2 ?4 4-' ' ▫▫▫
2*=M7 ' M'
229,7 ' MHQ'
217, 0/7 ' MN '
210/*,5,7 ' H '
21/2-:7 ' O'
216,-' ' H '
2/7 ,*7 ' QN '
2/5 ,2/4- QH# Q '
2/3,7 ' NO '
2/3,750:' O NOM# H H '
2/3,5 0 ' NO '
3")#2W ' ' OM'
2/3=001-' ' Q N
2/3=,*0 ' N '
2/0:7 ' M H'
2/0:,4:' ' QNM'
2/021-,-' N # '
5/,7*3/4:' ' NQ'
2/,,,/,7 ' M '
2/,7/,070 M H# QQQ'
2/,-' ' NM '
2/,-10/:0-0 ' NMQ'
2/,-10/:G44 ' NMQ'
3"8/2' ' ' ' O'
2/*0-0 ' 0 # H XO'
2/44- 0 # X

P

2/*4521,7 ' ' &&(/247*,7 ' Y<' =76.2+ 266,- ' ''% =6,*070 ' ' $
2/29,7 '%'< /2807 ' (E' (TT =76.21;2/J : ' YT' -$#8'/ ' '$Y
2/2*, 7 ' (' /2M21.2/7 ' <Y(=76,47 ' <(' =6,*4- ' '
2/2*214- ' TT& /2M21.2/570 ' <Y('A =76.47 ' YEE =6,*,,7 ' ('
2//07 ' (E' (TT /45,7*0 7 ' %&' -'/)/2'2 ' 'E$ =62-0,/7 X ' Y'T
2/!,+,2 7 ' <%% "92#/#/' ' TT =5730-0 'E$' $ < =667/,7 X ' YE<
2/-,*,7 ' Y(Y /45,;44: ' YEE =57- ' 'E(
2/64-7 ' E($ /40,0/ 0 ' TT ' YY' =5.*25.0- ' ''%
2/=5,4 :' ' ''% "<2#:3" '& ' TT =57 7:0*' ' E($ & ! (' E <
2/=37 ,-' ' TT /459-.7*9,7 ' %&<' =5,7*6.070 &T'' $ Y 75/=:=50- ' YE%
2/=750-0 ' <' $ < /759-.749,0-0 ' %&< =57*6.0/7 ' %E 756=7*6.4- ' 'T&
2/=21-,-' ' % $ /43,7 ' (<& =37*6.,,- ' &TY 756=,-' ' &&E
2/=4-' (' & /4:0*7/,7 ' (%& =5 07 ' T$ 756=260*,4: ' &&%
2/=*-7 ' 'T& /42/,7 ' Y<' =5 230/:7 ' YEE -037 07 ' YE%
2/=*01.2/4- ' &&E /=1, 07 ' YT' =5 2 2;0-0 ' <(Y 70:,7 ' <E(
2/=*04 :' ' YE& /=1-,-' A ' &&(=0 2:=50- ' YE% -0:2*2/21- ' & '
2/=*257/14- ' (<T /=167*3/7 ' (%& =2 2-60:2* ' <YT 7.,7 ' E$T' E$%
2/=1.7 ' & & /=160/2*,7 ' (Y ' %((=0 2-60:2*070 ' <YT 7,-' ' <E'
2/=1.,*0-0 ' & ' /=16257/=7 ' <E% =5 260 7 ' Y'Y 7 ;0/+,7' ' ('
2/=-7*6.07 ' ''% /=16257,=0-0 A ' <E% =5*,4:' ' E&' 7 ;0/+,0-0 ' ('
2-5,*,4 : ' T$ /=16252500-0 ' Y& =32*,7 ' ('' 7 07 ' ('
2-5,*232* ' YT' /=16252554- ' Y& =,52371;*0 ' <E% 7 05,7:1,7 ' <Y<
2-:7*6.4- ' E< /=16252/=*0 ' &(' =,*3/20=-6,- ' Y'' 7 00.7*,160-0 ' <Y<
2-:7/,4 : ' Y'' /=16202/=*070 ' &(' =,*3/26.05,,,:' ' YT& 7.24-,07 ' ('
2-:2- ' E$$ /=1623,-54- ' YE< 7:7623,4 : ' Y%$ 7 62*,7 ' YT'
2--,+*,7 ' (E(/=162:0/,7 ' '%T =:;257/14- ' ''Y 7:7-2,4 : ' &$
2-67/,7 ' Y'T /=162:=00- ' YE< =:;1;2/7 A ' Y'Y 7:::7/7 ' '%T
2-64-' 1 ' '<T /=162123,4 : ' YT' =:212,7 ' ' ' Y'& 7:*75776.4- ' %&<
262*07-60/ ' (' 4;0;7 ' '&$ =:2160/4- ' %<Y 7:1,067 ' E$&
264 7 ' E$% 4566;74-' ' TEE =*7*5.4 : ' A EE(7*707 ' ' Y$
26=032*' ' %$E 4566:0/,*0-0 ' %E =*7/7 ' ' E$% 7*6.2,,,7 ' &&E
2*01,7 1 ' ' (&< 404 :,-' ' %E =*7/0 0 ' ' E$$ /.%8/3SW ' <E<
24:7 ' <E$ 424/;,67 ' %E =*20/7:;07 <%E' $ (,1,:0 \ ' <E'
2*/760/,' ' %TE 454/V;,6750&0 (T %%Y' $$% =*2562*70 ' EE(71.*070' ' <E'
24/241,67 ' %TE 4 5,6,4 :' ' E$% =*2062*4,* ' ' EE(71.*,3,4 : ' <E%
24--7/07 ' %&< 4 0*,7 ' T&T =*232*' ' ' &&% 71.,,1,= : ' <Y<
24--7/0-0 ' %&< 4 4:,7 ' E$% =*232*6,4 : ' YT' 71,*2,3070 ' <E<
24--,*,7 ' <$% 4:,*4:' ' %<Y =*2+2--070 ' E'T 71.*21-,- ' <E'
/7:;0 ' TT' ' TTY 4:::,*+,7 ' &%Y =*2+2--4 : ' E'T 7/,*+62*,7 ' T T
/7*,27/,7 ' <$Y 4*7/,7 ' <YE =*2:06/7 ' (<& 7//=230-' ' ((T
/7--47 ' %$E 4**,*+.7:,7 ' '%T =*2:06/070 ' ($& 7/8,*,7 ' %T%
/7--4 75070 %$('YYE' $$T 4*2*,7 ' (Y ' (Y(=*2:2/,070 ' 'T& 7-=7 ' Y<&
"/&&9!/' ' %$(4*2*,070 ' (Y$' (Y(=*2:2/,4 : ' 'T& 7-=5 734- ' Y'(
k/76-0+*-' ' (' ' YE% 417*,7 ' (E(=*2/2,3070 ' E$% 7-=,/,2* ' &<
/760/0,4- ' YE% 41;07 ' %((=*2-4/4- ' &&E 76,-57 ' %E'
760/2-10/74 :' ' Y'' 8."'&)84& ' '&Y =15 7 ' '&E P/$#&2/2'D& ' %EE
/762G=2* ' T<' 41/0--,*0-0 ' '%T' '%% =10 070 ' '&E 76,-00-0 %EE' $$%
/78 4/3,7 ' z 41/0--4-' ' '%T =1N/72070 &' ' $TT 764/7 ' E''
60:7-12/7 ' %&< 414,0/70 ' %' $ E =10/070 ' &'& 76*/0-0 ' E''
/0:22;4- ' TTY 4 54,+2 ' 'Y -.'"3#)' ' &'E 740,,- ' %<Y
/01,-' (' E$E 4/54:7 ' '<T =1066- ' &'& 7?7 ,7 ' ' Y$$
/0-50*6,7 ' <$% 4/6,-,7 ' (Y ' %'< =1;2:7*3/7 ' ' E'& 7?,3,7 ' ' % $
"'&2'8$#/?#') ' <$(4-5467 ' E<& =1/,103,0-0 ' ''E 7?, 7 ' Y$
/0-50*6,0,0 <$ <$% $,,- *60-0 ' <<<' E<&' $$Y =1/,103,4 : ' ''E 78-2*,7 ' YT&
"'&' $ 9& ' <$(<&29$#82&' ' J E<& =/,7 ' A ' E(Y 007,-* 7 ' T$'
/,*4 : ' '&& 4-17/,0-0 ' (E' (TT =/,070 E(Y' $$& 05,04G,7 ' %&'
/,-67/,7 ' T&T 4 1,37/,7 ' <$T =/67*3/7 ' EY' 054:7.0,7 &Y(' (Y<
/,6;:4 : ' %<& 4--2*,7 ' %'% -"$/8) 3'A ' EYE 00/,*+,7 ' <('
/254- ' %&' '&E 4/,0/7 ' %&< =/67*3/070 ' <Y' 0,*;2 ,7 ' (E(
/25=,- ' %&' =7*0 7 ' &%< =/6210/7 ' ''% 0 7-6/,7 ' YE<
/2--7*3/7 <$< =7426.7:*4- ' (E =/62123,4 : ' ''% 0 0--0/,7 ' Y<&
/267 7/,7 ' (' =7*26,-' 0 ' &<Y =/62-10/:7 ' &(E 0,:7 ' Y$
/262* ' <YT =76.07 ' Y$$ =-621.2/7 ' Y'T 0 1!,,*,4 : ' &%
/262*0-0 ' <YT =76.075070 ' Y$$ =-62160/,- ' Y$$ 0:76,?1*' ' Y<(
/262*21-,- ' <YT =76.230-' ' ET& =-62-12/070 ' Y< 0*3/2;,4 : ' ''(



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,10,7	Y&	/,7 I	''(	457 =164-	%TE		E'<				
,-,7	E<	/,7*6.4-	&&T	45. ,-	(E	7;/,0,7	%TE				
-.2 6M,7	<T	/,57	< <	45.,,/63,4 :	%(Y	7;/2*,7	YT'				
46.0/,7	((E	82/'2 '	E %	40 07	E(&	4/7#8'2''	' %				
= : 4-	&&<	"9?&	< %	45 ,3,4 :	TTY	7+2*,7	($E				
=77	&'Y	/,50-0	E <	452/7,-	&%<	7+21=/4 :	<((				
=6/7/,7	<$E	/,5,*0-0	E %' $$'	45/262*0-0	<YT	7+/707	&E'				
*,;26./,070	<<	/,+0/2,;	E$(	45/=1.,7	(&<	7+/700-0	EE'				
: ;26./,4 :	<<%	/,2;26/=7	(''	43,2- : 070	(TT	7+4-	' E				
: 0G	<((	/,2574 2*	&'T	4+0*,7	%TE	7/7 : 07	%&<				
: ,,7	E$$	/,2574 2*0-0	&' $T	4+0*6,7*0-0	EEY	7/-06,7	TT&				
: : 02/.,M7	%&'	/,2501.7 7-	E$%	4.,112 : 7*0-0	<YE	7-6,+,7/,7	Y<'				
: : 264 :	(('	/,230*3/2*	T&T	4,*0-0	TY%	76-,7	%'%				
: 106/07- (%$'	$$$	/,2+ 2--4 :	(<(	4 2+7*,0-0	EE'	74/,7	<<%				
: 106/4 :	(%	/,2+2*0--	<((	4 21.,7	''%	7?2 4-	YE%				
*7/6./257/17- TT''	TTY	/,2+2*4 :	<((	4 : 7 ?070	T&T	03,7	%Y$				
*57 =167	YT'	/,2 : *7	T&'	4 : , : 2-0-0	(<<	0+760 7	Y%$				
*00 ,7	E$%	/,2 -0*0-0	T&'	42*= : 4-	(%(	0 ,5,7	E$(				
*501.7 7/62-	''<(	/,210	<T	417/07 A	<($	0*3 0/7	(Y(				
*2=2*0 : 7	Y'Y	/,21.2/4 :	&'&	41762/,750-0	E$T	0/*7*30M,7	''%				
3257/12	Y%<	/,2-10/ : 070	&%& $TY	41762/,4 : E$T	E$(	0/2*,7	(E				
*3202554-	Y%<	/,2-10/ : 4 :	&%&	41.2/;,7	<Y<	0//7/,7	'&E				
*32+2*0	YE<	/,- : 7	T<T	41.2/;,750-0 <&''	$ %	0/4 7	%<Y				
*32*0 : 7	'$	/,6.7,-	%&<	9.%3", '	<&'	0-6457	&&E				
*321.= 4 :	Y<$	/23,4 :'	($&	41.2/;,0 :	<Y&	0-6450-0	&&E				
*+0 .7/36,7	' (	42 : ,6/7	Y<<	41.2/,7	(E(	0?, 07	%ET				
*.7 4-	'E<	/21., 7	TT&	41./7-,7	E&'	0?, 0-0	%ET				
8&/$<	'&T	//75,-	Y'Y	41./7-,070	&&'	,;/74/07	T$				
*6737	(<<	/407	TT''	TTY	41.= 7*6.0-0	<YT	,5,*,7	&'&			
*60 07	TYT	/457/,7	TTY	41232-60 : 7507	'('	,52,30-0	%< $$E				
*62-6.2324	YT'	/407-6/4 :	TT''	TTY	412 : 76,7	Y&	,04-	('<'			
175/0-0	ET(	/=5,;0	E<<	4160 07	Y%	,0 3,7	EY'				
./2"#)/2'2	ETT	/=5,;0-0	E<<	4/.=*5.,4 :'	YT&	, 7+2	E$(				
175/ 30-0 <TT'	$$'	"-2%'W '	E<E	4/,0,*257/1070	<&Y	,,50-	&Y(' $TT				
170/,-	ET(	/=*+,4/4	%<&	4/26,7	<(Y	,,5,4 :'	((T				
17 60-	E$(	/=-,:4 :'	TT& TTY	4/=7	T'(	,:;/,7/,7	Y%$				
1.0;0	Y%E	/=-,1 ' X	Y<<	4/=7 0	T $	,:;/,-6=,-	&'&				
1.03/7	'E$	/=6./607	EEY	4/= 2 : 7	(T&	,-5.0/,7	EE%				
.%' '8&	&<&	/=6./746.4-	'T	4/=21-	E$%	,--,30*-	YT'				
1.0 : 0/7 :	YT'	/=6,/,*7	('	4-071.,-	(%E	,-64 ,*7	YE%				
1.,11,7*3/7	<%&	/=6./25O62* (E'	(T(	4-0-7 : 0-0	<$Y	,6M/2=7	'%T				
1,57/14/4-	<'	/=6./2*,4 :	&%<	4-0-0 ,*0-0 C	%<&	7524/6,7	T%E				
1,5,7/,-	((%	/=6./217 4 :	(('	4-, : 7/4;0-0	(T&	!/22 #/3'$'	T%(				
1,02*,230-0	Y%E	/=6,/21. -04 :	(<&	4-60+,7	EE(	#/'3$&"$#/8''&	T%(				
1,3073/0-0	''(	/=6./2-10/ : 4 :'	T%E	4-60+,:'	EE(	7024/6,0 :	T%E				
1,30*3/4 :	''%	/=6./0G= 0 : TY%'	YYY	4-601.,7	'&&	7+0 7/,7	&'				
1,+-07	E E	/=6./2 2* TY%'	TY<	4-6,+:7 '	% $	7+0 7/,0-0	&' $T				
.#!3%#/2'2&	%(<	- 7 24,7 (YT'	(Y(	4-6/01.*-	&<$	!/ 9!/'	'(				
1,2;,4 :	%(Y	-07 >*,0-0 (YT'	(Y(	467--7	'%T	7?0/,7	<$%				
1,' : 03,4 :	T$E	-5.-5.2 6M,7	T '	46,7 0-	<$&	04/=7	<<&				
1,1706,-	''E	-02;43,7	<&'	46257	E<	,*30/-,7	((E				
1,1.= 4 :	%<$	-52;03,0 :	E&'	4G2 4-	<('	50/9,7	($&' (%				
1,1/,:0 :'	<Y(	-0*;059,7	(E	?7G E$T	<$(	2/,30-0	Y<<				
1,1/,*4-'	<Y(	-10 06,7	<$%	?0,*7	''%	20*,04 4 :	%<&				
1,-5,7	EY'	6.4,7	E$(	?0/*,7	Y%E	2 ,54 7/0-	<<%				
>4,-06750 :'	Y$(' $TT	47 : /*,*0-0	%<&	?23,7	(E	2467*0-,7	E%<				
>4,-064 :'	Y$'	47 : 10/0-0	<&Y	?2 ?4 4-	<<<	2*6,*7,-	YT'				
/7+/2-6,-	&&<	47125=*0-0	<E$	G754 :'	EEY	2/-92. 07	X <<&				
/7*6.0 : 4 :	<$<	47-0 01,73070	EE(	G0-057/,7	<YE	2/-92. 0-0	<<&				
/7*6.,-	&T	,,7-6/4 :'	Y''	G5,14 7 A	YE<	2/-60/7	E$'				
/;,5.,7	%%<	4;7 7*21.2/0-0	'T&	G,3,7 '	YE%	2/-=6.,7	E%<				
/5, 7	<($	4;,+*26*0-0	<$T	G, 7/,7	Y'Y	2--2 : ;/2*,7	Y(Y				
/0 : 7*6.,-	E$(	4570-7 1,*0-0	(<&	G257/14-' A	'TE	26.0/+, 7	% $				
/0 : 21.,7	<	427 06,0-0	<&Y	G2-60 : : 7	% E	24>4,0/,7	T<(				
/0 : 4/4-	&%<	457 =1.0-0	IZV			24>4,7/,0 :	T<(				

H % 3

+8

24/0/2=7 O
2 02 7/,7
/7+7/,7 M M
#7+, %/,7 QOQ
/7, 527 MQ #
C/7 : 02750-L (YT H# (
/7*520-0 MQ
:"987$A/2'2 M N
/7 690*,7 M
/7*90*,75060 # QQO
/7*9 7*3,7 NN
/7*9 7*3,0P NN
/230/,5,7 N
/0,/0230*3/0-0 NQH
/0,/023043/2* NQH
/066,2*6,0-0
/040 7 O
C,0=0,416,7 M
1/0=5,*06,0-- M # H HQ
/0M 0/7 OM
/,6, 7/,7 N
/20 ,5.,7 NMO
/4 7*,7 QMQ
/4-64 ,7 QOQ
G,575070 QO
92:$2' QN
40 ,-,7 MQ
404-' QO
4+2-,7
4,/0*7 O
4 : 7+2 QNM
4 : 7/,7 TT
4 : 7/,700- 0 H # QQO
4*7G,7 QQ
4*+,' Q Q# H M
4*9,7 N
4-7G,4 : Q

'(O
-0/6*0/0-0 NQQ
(&
7+70 ; ,*7 MNN
7, 7/3,7 # QOQ
7, 2*0 7 O
7, 2*,7 O
7, : 7/3,7 O
7 75,*070
7 726,7 MOH
7 706,60-'
7 756230*3/2* NOH
7 7*6 .4-' O
7 7G
7 7G,7 O
7 07*3/7' OO
7 0+7 MOH
7 0+0--' MOH
7 0*,7 NH
7 0266,7 # OO
7 ,0-0 O
7 ,107 MH # M M
7 ,4 :' O
7 : 2 71,-'
7,*21 ,= 4 : MM
7/5,7 # NQ

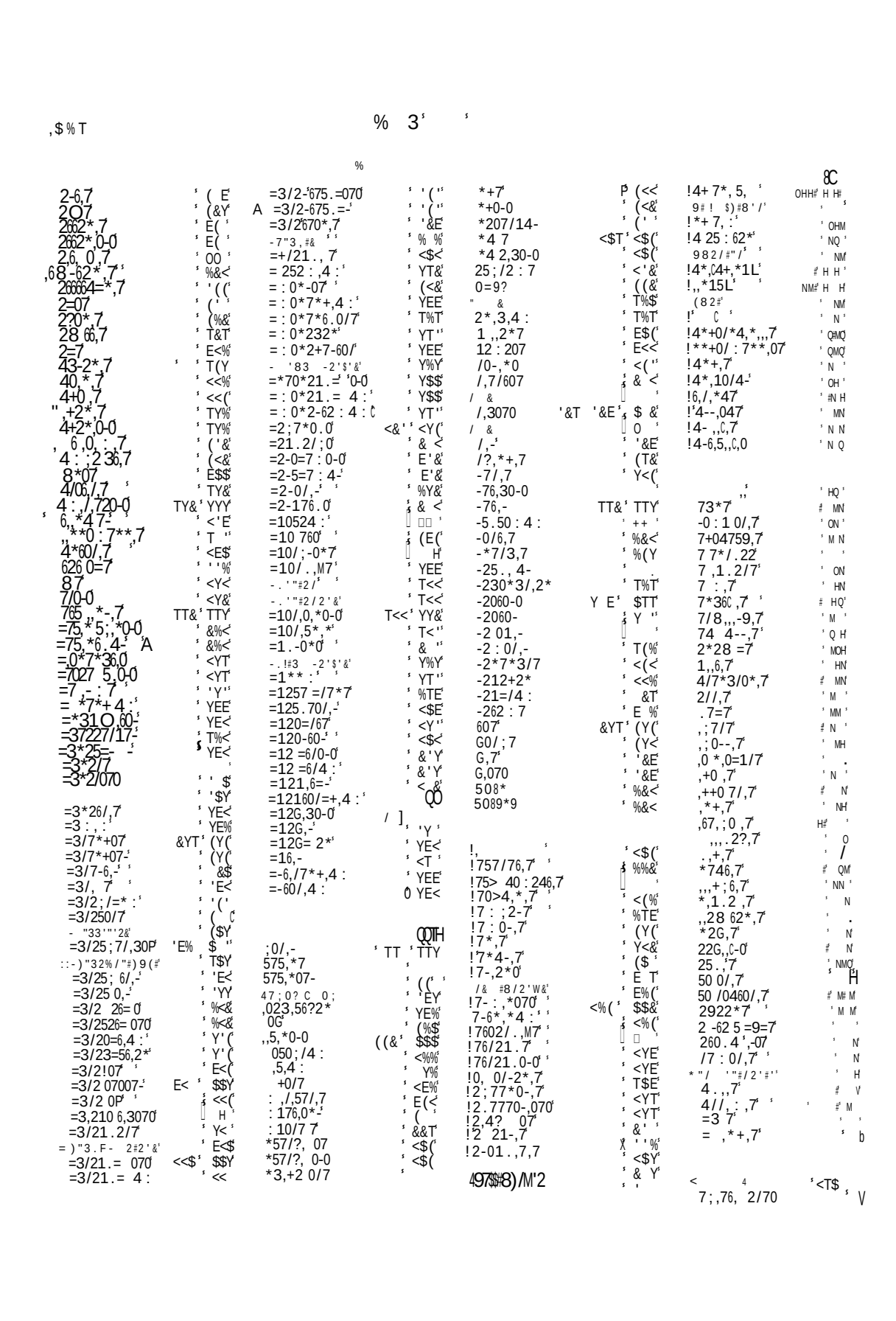
C7/5,0-0 NQ
7/5,4,7 O
/ ") 8 # N
7/30*,7 N
7/30*,0 : N
7/3*0/,7 N O
7/32>4,7
7/,30 7 H
7//=7 ON
7//=75070' %' *' OQ# H
7/4+7 MM
/&$'"3 -2'$'&' Q Q
7-62*,7 O
7-6/,3,4 : M
7-6/25., 4- ON
760*,7 NH
743,5.743,7 M H
743,5.743,070 M H
743,*,7
74/7 MQ
746,0/7 Q
7=7
7M7*,7 N #
07-60/ QN
0, 0/7 MHN
0,--2 2 : 7 O
)&&3!3 /2'2'' O H
0,--2 2 : 070 O H# H H
0,--2 : 7/,7 N N
0,--2/.,M7 O
0 7-,*0 Z O
0 ,3,4 : QN
0 24,0-0 NQ
0 2*,4 : NQ
0 -0 : ,4 :
0*7;07 Q N
0*37/1--7 N N
0*07 Q N
0*,17 N
0*,-67 MOH
0*,,60[0 MOH
0*6 7*7 Q
'8$#/ #/''' #
0*6,7*2 , N # H Q
0257 =)' QMQ
02+ 2-- : Q N
02*2 : 7 HO
021., 7 O
''/8#/' M N
0/7, ,750-0 M N# QQQ
0/7*,0-0 M
''/8#3#)2/' M N
0/7*,4 : M
0/7/3,7 O
0/7/3,0-0 O
0/;0/7
0//7/376,6.4-
0-*0/7 NQO
0-*0/75070 Q # H H
0-*-/000 QO
'& "#'2'' NQ
06.= ,-' O
04 :' M M
D,,0-09,7 NH# NM
,+7/6,*7 QNO

, ,7 NNM
, 04,7 M
, ,7 NM
, ,0-,7 Q
, ,0-,0-0 Q# H
,/7/3,*,7 && O
,/743,7 QO
,/24*,0/7 NO
,-09,7 # NH
73,2 0L' O
73,2 4-' O
: 2571-7 Q
7026/,5;,7 QOQ
745,3,4 : H
745,4 :' HO
74G M
0,5;0*,7 Q
0,5.0*,07 Q
0,*4- NH
,-.5/252 7 O H
2;;7 ON
2;4 7/ 7 NHQ
!3,([/"#/2'2 NH
2;4 7/,0,0 NH # !
!3%9!/"#82/ NH
2*,4 :' Q M
2/,2-7 M
2--23,7 OO
2G,*,7 NQQ
467 MN
=50/,7
=5,*0 MOH
=5,//.,M7 MOH
=52-:,-' MH
=1.-07 Q
=1.257/14- Q O
=1.2:,6/,4 : Q O
!-$3&.#" # HQN
=62-6/2;4- O
,:0,*7 NHO
*71.7,4 : # M
*06750-0 O # H HN
8'$2# OMQ
;9+@B ON
*,30-0 N O
*,3,7 N O
2306,7 MQ
0=0A* MMH
23/2*,7 Q N
50110/6,7' N
206.07 H#
0 = @?? * N N
2:1.7*3/7 A MMO
0BC7 *' MMH
0BC704*8C@?
0BC70:A@9
0BC70:A@9?9 H
0BC70;0B* QOQ
0BC70?+9BB* N
2:1;/0*7 NMO
2:1./0*0 , NMO
2:1.4-' Q
0;*+0+8 47@B QN
0;:08*' OO
0;0;9;+* Q

k2*,26.7 7:4 ,8QV
2*,4 :' Q
242 2;-0'
2*2 2;4-'
3 3.$'"#)'/' O M
2*=7*6.0-' Q Q
2*=6/,5.4 :' Q N
4*M7 07 N
223,,,7' 223=*,7257 N Q
2234*2?,5! H N
223,7 M H
223=0/7 Q
2/32*,7 O
2/32*,,, O
2--=1,4 :' H
266-0,07 Q M
247*,7 M
247*,06 M
44,7 N
2?04,7 OO
/7;28-9,7
/7;28-9,5-0
,/75, 7/,7 Q M
/7 ,,/,03,7 M H
"/ /'
"/#8#8/2'/' H
/7/7,*070 Q
/7:,6,-' Q
/7*7607 %((M H M
/7*6,7
/71,,4 :' Q
/71621.=4 : N N
/764 241,7 Q N
/76,4 7 Q
/76,2 0-0 O
/0?, 07 N
/08,7 Q#
/08,0-0 O
/0=,7 M Q
/,7-'
/,034 :' M
/,,*,7 O
/,,6.-,7 Q N
/,:7 3, O
/,:,7 Q O
/,-0;75.,7 H N
/,-0,*,7 O # ON
/2;=7 OO
/204 7*3,7
/2*2?,7
"8&&9!/2 MO
/2--4 7,.570 MQ
/4;,7
/4;,750-0 O # H HN
47,754/7 NMO# H
9/92/8'2'' H
47 6.0/,7 MH
*7/07 H
47660/,7 H
47M4:7
40;,*7 Q
40667/37
40667/3070 V
40?,*7 N

!

*,5.0*26,7	T&<	7 : 7 : 0 ,-	% $	0 /7 *6.2-675.=	$('	0G730- : ,7	''%
4 ,0 : 7	& Y	7 : 0 ,7	%&<	0 2*,7-	&ET	0G7+2*7	YE
4**0/7	% '	7 : 0 ,0L	%&<	0 2-,3070	'T&	0G7 2 ;4-	Y&
4**00/750L	% <' $$(	7 : , 62*,7	%&'	0 2-,-	'T&	0G4/,-	''Y' 'Y''
4-67?,7	%TE	7 : 1,7	T&T	0 26,4 :	YE<	0=*07	((
46,0//0M,7	E$(	7*52/*,7	EE$	0 ?0 7	Y<	,, ;0/6,7	Y$
466, 0/-0	T<&' YY&	7**27	(T&	0 8,*+,7	%'%	,;,-5070	T& T&T
4M : 7/1,,7	'<&	71 7/,7	Y<T	0 : 0/257 ,30-0	&%<	,;,-54-	T& T&T
: *730*,7	''%	71 217114-	E$(	'' 32/!!#) '2&	&%(	,0/70,* :	E$E
= : *0 : 7	EE%	71 2-60 : : 7	EE(	0 : 0/257 ,-	&%<	,0/25 27	&&(
= : *257/1,,-	<%%	71 2-60 : : 0L	EE(	0 : ,7*3/7	<TT	,0/2*= : 7	<YT
= : *2+ +/4-	Y<	71 2M=+,0L	%<&	0 : ,07/1.7	&'Y	,0/2*= : 0L	<YT
= : *2+/7 : : 0	Y$$	,,/30*;0/+,7	('	0 : ,5 5 ,7	<YT	, 30*. /7*36,7	Y<
= : *2 : ,6/,4 :	Y(Y	7/38,59,7	(<&	0 : ,30- : 4-	EE(	, 0; /7*3,7	%EE
- 83 -2'$'&	Y%Y	7/,*7	& <	0 : ,+=/2-7	(E(	, ,7	%&E
= : *2-,1.2*	''Y	7/17+21.=64 :	<$Y	0 : , : 0/,3070	E&<	, : 7*6.7 ,7	Y'T
= : *2-12/7*+,4 :	YE%	7/101.= 4 :	(<T	0 : , : 0/,-	E&<	,*3-,7	%&E
= : *2-12/,7	(%(	7/14 ,7	(E(	0 : ,2*,6,-	Y$$	,112; /2 : 4-	(E
= : *2-670.=-	&(E	7//,-2*,7	(T&	0 : ,1. /7+ : 7	E&	,11257-67*0L	(E<' $$
= : *2-675;=,, :	<$<	7/62+,7	(%(	0 : ,-6= ,-			(%
= : *2-62 : 4 :	YT'	7//0=7	E&'	0 : ,60 ,7	Y$$	,1125/76,7	(%
= : *26.057	'((	7--0 6,7	TY 'TYT	0 : , /0 : 7	Y<&	,1125/76,0L	(%(' $$$
=*7*3/21-,-	T(%	7?06,21-,-	T'$	0 : ,M2*,7	E$%	,1125/01,-	('
=*0/,4 :	&&%	0;0*-6/0,6,7	< (	0 : 1/,0.,7	((T	,112 : 7*	A/ <Y(
=*257/3,7	T%<	0302 : 7	<T	0*37/-2*,7	Y<$	,112 : 7*0L	<YE
=*21 0,,/7	%%&	030/7	%'%	0*/,06607	%('	,1111.71	<$
=*2-60 : : 7	%ET	')' 2'	%'	0*/,>40M,7	%&E	,114/,-	% %
=*2-60 : : 000	%ET	030/0L	%'%	! 0*/,>70M,0-0	%&E' %&<	,167+0	($$' ($
=*26/25.0-	% Y	038,+,7	((T' YT'	0*-2?,7	'TE	,/-7	($$' ($
=*2G=-	E$%	03=07/10L	<%&	'./$#2/'	%'%	,/0L	($
=*4/7	E$%	03=57/=7	<%&	0176,0 0	Y((' $T('	,/-2. 0 3,7	TT' 'TTY
=1-21., 7	TE<	03=5.,4 :	'<T	01671 04/4 :	%'%	,65.0 ,,7	'<T
=/,*21,30-0	<E'	03=2-:4 :	'(E	0/75 04 :	%<Y	23+-2*,7	%E
=/,*21-'	<E'	03=26,30L	%&E	0/ ;0/6,7	'&E	: : 762G=2*	(<&
=/207/1070	<E%' $ &	03=26,-	%&<	0/02-12/7	Y<$	2 : 7**,7	%&<
=/257/14-	<E%	03=-7/07	('	,0/,5,4 :	YE%	2, : 7*-0++,7	(<&
#2501.74-	YE<	03=-7*6 :	('	0/,6,0/7	T&&	2.0/,7	T&T
=/21./7+ : ,4 :	YEE	0,-60,C,7	(('	0/ : 7**,7	T&''	2 ; : ,7	T$''
=/2-60 : 2*	<($	0 0*,2,30L	E$%	0/ : 7**,070	T&''	2 54-	&&E
=/2-60 : 2*0L	<($	0 0*,4 :	E$$	0/ : 7-	%<&	2 ,+7*7	(<T
		0,7 : 1.2/7	T T	0/ : ;-6-03 ,7	<('	2 2 75.*0	T<(
		0 ,7*6.0 : 4 :	T(Y	0/*7*3,7	<EY	2 2 : 26/,,, :	YT''
<	<E%	0 ,746.2,30L	E$(	'"8/8)#/2'$'	<E&	2 21067 0L	TY
7;0*7/,7	''%	0 ,7*6.4-	E$$' E$%	0/*7*3,070	<E&' $ (	2 2160 07	<''
7;/2-,7	<%%	0 ,5;/=-4 :	E$(	0/7,7/,7	<%%	2 2-60 : : 7	EE(
7;/26.7 : ,/7-	E&T	0 ,5,7	<<%	0/10-6,-	E&''	2 2-604 :	TE&
: : 7*6.4-	'&&	0 ,52 : 7	Y<T	0//7*07	T&<	2 2-6= ,-	'$&
: : 232/3 ;L '&Y' $ &		0 ,52*,7	'<&	0/-5.0,7	'''%	2 26./,G	''%
L : 232/7 :	'Y	0 ,526/,5.4 :	Y<T	0-10/7*6.7	'&E	2 : -5 73,7	Y'Y
7907	<<%	0 ,5;0/0L	T&'		TT&' TTY	2 : 7 ,7	YT''
7 0*,7	EEY	0 ,560/0-	T&'	060/,7	&<''	2 : 7 ,0L	%%T
7!0-,7	E%T	0 ,0/0 7	Y''	060/257/10 7	Y''	2 : 7 ,*0L	%%
7 ,3/=-	Y'T	0 ,,64-	(%&	060/25.,67 :	%(	2 : 7 ,4 :	%%T
7 ,+0*,7	Y'T	0 ,257/14-	TYT	060/15 73,4 :	YT&	2 : 7 26.05,7 :	YT&
7 , : 20*0 : ,-	<(Y	0 ,21;,7	TT&' TTY	060/230*3/2*	(E(	2 : 2,250 6,-	<'%
7 25*0 : 4 :	<(Y	0 ,21;=64 :	E'T	060/21067 070	TYT	2 : 2*2=7	<Y(
7 2+062*	<(Y	^E ' 3$"3.#2'W&	E<Y	060/21=G,-	%(('	2290/,7	YT''
7 21., 7	& :	'V 0 ,26/21,0L	E'T	060/2-2,730L	%<&	2107	
7 2/7+0L'	% %' $$(A	0 ,26/21,* :	E'T	060/1-60 : 2*	(<&	2/30 :	&&E
7 2/7+,-	% %	0 ,160/4 :	E$(	060/2-6,+ : 7	&TT	2/ : ,-5,4 :	Y<(
7 = : 037	Y'(	0 0;2/0L	'Y	060/26/217	'$''	2/ : 2-,1.2*	Y&$
7 = : 5*,7	Y<''	0 0;2/4-	&	045.0/7	(YT	2/ : 2-12/7	Y&$
7 : 73/=7-	'&	0 : ,*6.,7	%Y&	0/07	<YT	2/- ,0 3,7	%'%
/ '/ '!/2'$	%$&	0 : ,*6.2/7	Y<'	0?00-0	<YT	2/62*,7	<%&
7*g7 : U ,30L %$&' $$T		0 : /76.2-12/ : :'	Y<T	0G700*6/,-	<$E	2-759,7	('

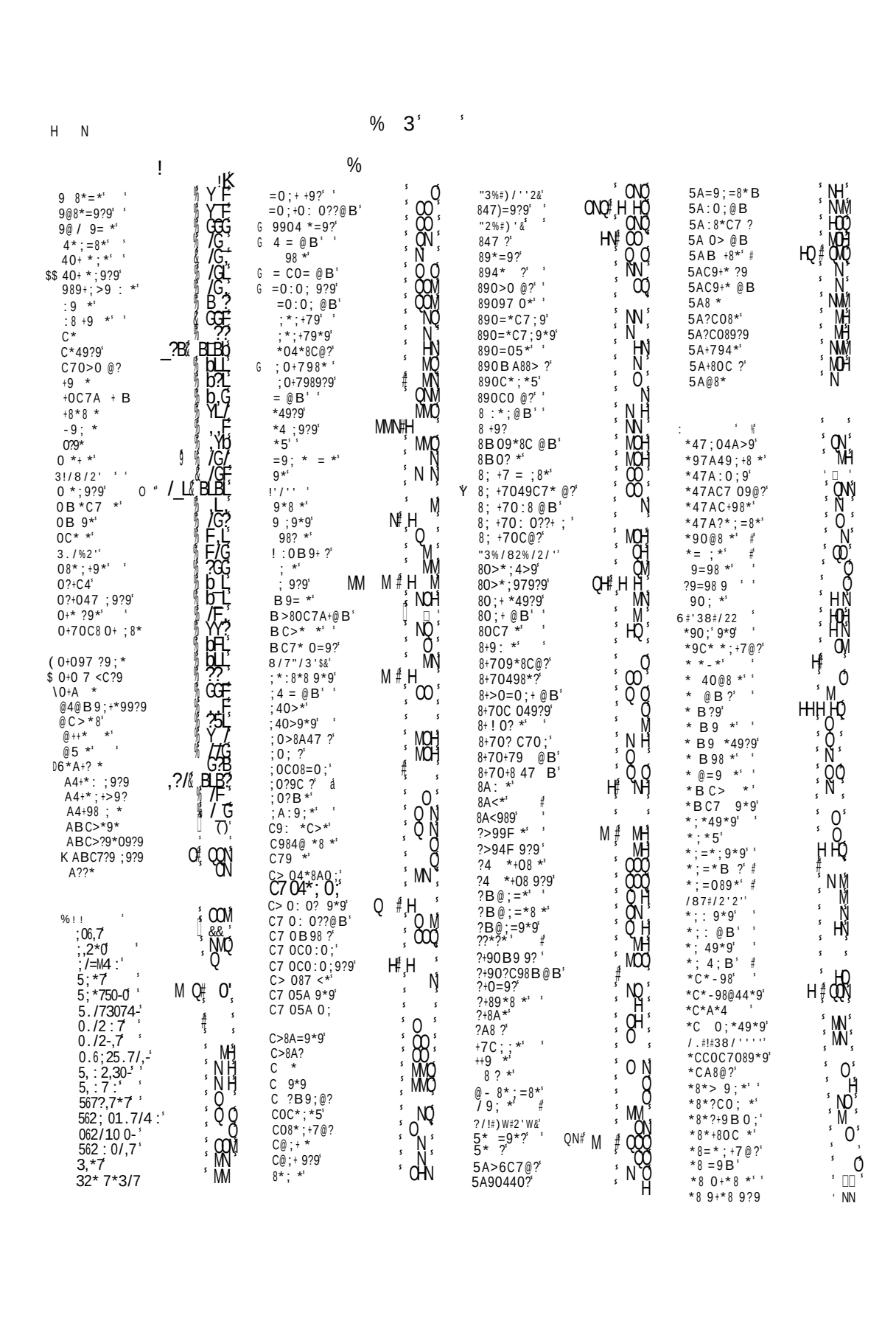


C:E C:@ C6

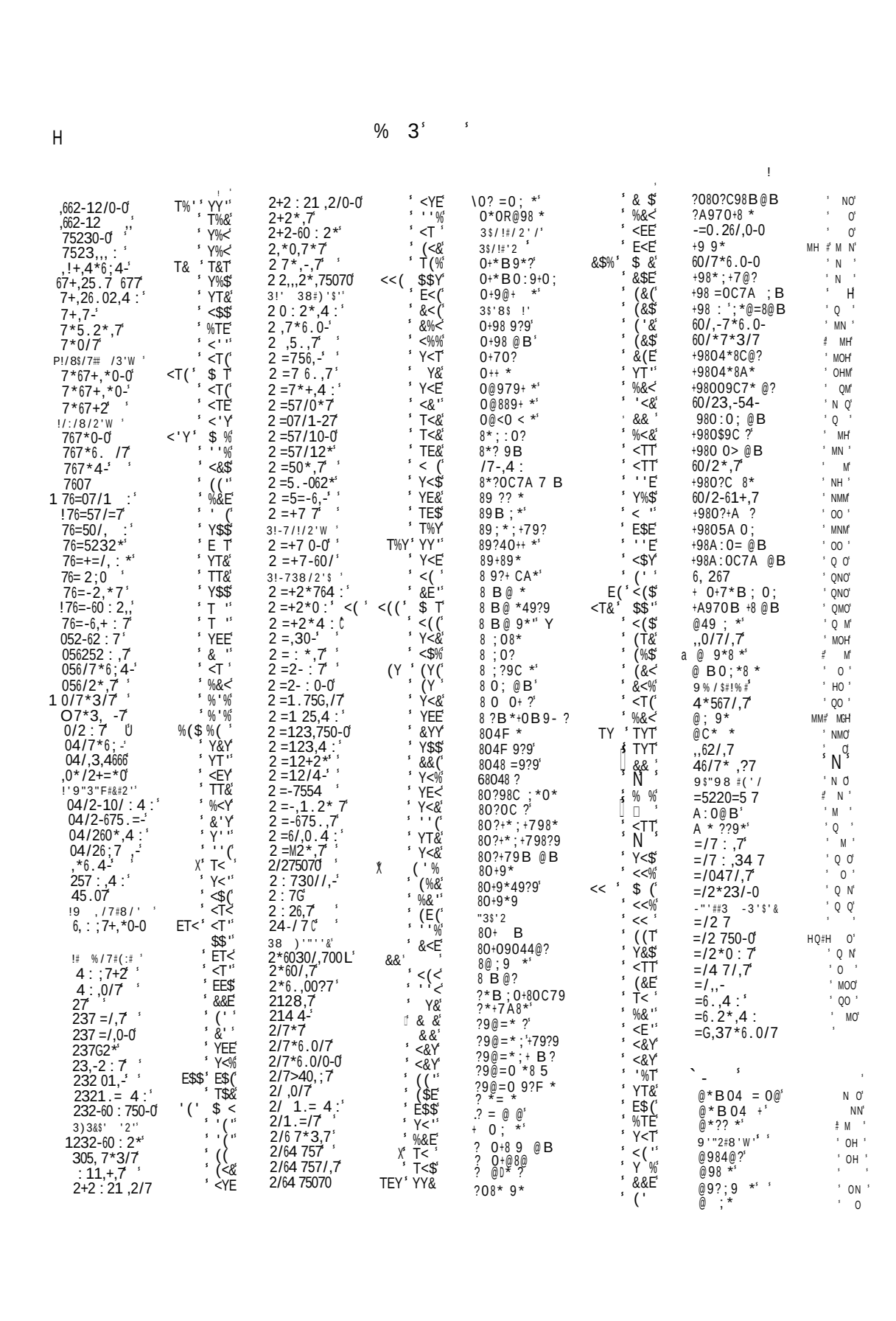
, ;,5.07 ' (<& 74,0*0,7 ' G ' ' Y<& 1164/4-' X' ' ' &&E ,*5 0 TY(' YYY
7;4*,4 : ' (' 74/0*6,7 ' < % 01 /237 ' ' &'E ,*25,0/7 ' E%<
75.0*7,7 ' &%< /9 ' <<T 0-5.0474 6,7 ' ' <$& ,*2-=/,-' ' <$T
75;*-07 ' <E' 74/,*0-0 <ET (E%' $ (0-54/07 ' ' ' YT& ,*4 : E%' TY%
75.*7*6.0- ' 'Y 74/4- ' <E% 0-907 ' ' ' YT& ,17/,7 ' ''(
75.*2574 2* ' &'(7?7*34 7 ' <T 0-1030M7 ' ' ' (' ,1257/1.7 ' &'Y
70.*25 73,4/7 ' YE% 7?760/7 T& ' T&T 0--0/6,7 ' ' (' ,11;7 ' < '
75,-60 : 750-0 '$T' $!E 7?2,-,0/7 ' %($ 0--2*,7 ' ' Y'T ,>4,37 : ;7/ ' % T
/2#&$' '2' ' 78-2*,7 ' %((0457-' ' ' <TT ,/,230*D;2* ' Y%
75,-60 : 7 ' 076.0-,7 ' Y'T 0,,5.60*;0/+,7 ' %<$,/,2- : 7 ' ((' '
756457 ' E$E 1;059,7 ' (' 0452;/=4 :' ' ' YT' ,-,7*6.0,70 ' EEY
730*;0/+,7 ' %&E 057*2/7 ' Y%< 045252/=*0 ' &%< ,-,7*6.4- ' EEY
-0 ,7 ' ''% 00;07 ' T(Y , 4525/2627 ' ' <Y(,--7*6.0 X ' <T(
) 0-0 ,7 ' E<(05,307 ' Y%< 040230*3/2*' ' ' <<% ,--25., 4- ' ''%
706,7 ' T%E 152-606*2* ' (&< 045232*' ' ' YT' ,-60/7 ' ''E
7 20*-,7 ' %((05=6.,30-0 ' %TE 04550*7 ' ' ' (<< ,6.257/14- ' ' E
7+0*7*3/7 ' &(' 05=6.,-' ' %T< 02,520/,7 ' ' ' E$E ,6.2-10**0-0 ' E'T
7+0*7/,7 ' %< 03257/12* ' ($& 0402 4 :' ' ' '&& ,6.2-10/ : 4 : ' <'T
7+0*257/1 4- ' E < 034 : ' E < 04021 254-' ' ' &'E ,6.267 : *,4 : ' Y<&
7+0*21.2/7 ' E$(007 ' (E$ 040212+2*' ' ' ET(,62-,1.2* ' Y'T
7+0/-6/50 : ,7 ' %((00/-,7 ' &&T 0452-10/ : 4 :' ' ' <<% ,662*,7 ' &E(
7+0667 ' <<' 0+4 :,*2-70 (<%' $$T 04526.20' ' ' E E ,662/0 7' ' <TE
7+4*7/,7 T& ' T&T 0,7*6.0-' ' EEY 02?0, 07' ' ' Y<& ,60007 ' <<%
7+4*54 7/,7 ' %T 0,21.= 4 : ' < < 02?0*.229,7' ' ' <$' ,6--0750 " ' <E%
7+4*,- ' &&E 0 0, :,7' ' Y(Y 01,-6,54 :' ' ' %<Y ,?,-62*,7' ' & &
7 : 7/59,7 ' - 0 : *7' ' ' &%$ 0=50-62/,7' ' ' %&$ 7+4*27' ' (E(
7 : ;0/6,7 ' <<% 0 : *750 ' &(Y' $ Y .26-9=7' ' ' %T% 2=3,7' ' &%<
/ #/2'D ' ' <T$ 0 : 421-,- ' & $,7;4 :' ' ' <$% 27-7' ' %%%
7 : ,*7/,7 ' Y'T 0*0.2-60 : 7' ' E&$,7+2/7' ' ' Y<' 3/&/2'D ' ' %%T
7 : ,*7/,000 ' Y'T '8$#,9!/"#<''' ' <&Y ,76/,-' ' ' E$T'E$(27-070 %%T $$%
7 : ,4 :' ' <TT '8$#%9!/"#'/' ' <&Y ,;0/6,7' ' ' '&E 2;0,7' ' E %
7 : 2,,/24G,7 ' E&' 0*6,**-' ' YE% ,;2003/4-' ' ' '%T 2;0,750-0 E T' $$<
7*32 1.,7 ' EE$ 0*M,60- ' YE$,57*,7' ' ' ' (&< 2;2-60 : 2* ' <'T
7*3-;*/+,7 ' Y'T 02*,7' ' ' T%T ,007' ' ' ' Y<E 25.*0/7' ' EE$
7*+-32/ ,7 ' 02*6232*' ' <$E ,5;0*0-' ' Y%$' $T(203,*+,7' ' TE&
7*+-32/ ,0-0 ' 'T& 02*6,50' ' T$E ,0.,*750-0' ' ' Y%E 2+7*,7 ' <E'
7*90-60/,7 ' <$< 02*414-' ' <TT ,0.60*-60,*07' ' ' %<& 2+7*,750n0 <EE' $$Y
7*-,4 :' ' ((% 017*6.0-' ' ''(,547 7' ' ' & & 37/8#' ' ' <<E
7*67*7' ' < ' 01,37+76.,7 ' <$< ,0;: 7**,7' ' ' Y'T 2,-0 04/,7 ' E <
7*67*0-0' ' < ' 01,3,*0L' ' ' TTY ,+0/,7' ' ' <Y' 2,4 : ' -
717+0/,7' ' &E' 01,3,4 :' ' TT&' TTY ,+.6,7' ' ' ' TET 2 : 76,7' ' <<%
71;7 : ,7' ' E$% 01,3250/7 ' ,+*,3,4 :' ' ' YEE 2 : 7621.= 4 : ' &%<
71 7007' ' T'% 01,32710/ : 7' ' &'Y),+4, 2/0-0' ' ' %Y& 3 '8$/2'# ' (<%
712/607' ' -- 01,326.7 : *66-' ' '%< ,+4-6,54 :' ' ' %<Y 2 : 0*67/,7 ' Y<'
7117 ' E$$ 01,*,7 ' <E$,+ -6/4 :' ' ' <%< 2*5.,6,-' ' Y$$
71-7*7' ' %Y& 01,2*4/4-' ' ((' ,-07' ' ' ' &$% 2*5.257/14- ' ('
7/3,M7;7 7 ' T$' 016730*,7 ' <<% ,,750U' ' &%(' T 2*5.21.2/7 ' TT&
!+ & I " : T$E' YY< 01625.-060' ' Y<% C 4 :' ' ' ' &%< 2*,50/7' ' %&$
7/,G ' '%T 01625;27 ' &&% ,,*75,7' ' ' 2*,50/070' ' %&$
) 7//07 ' ($< 0162372 6= 2*' ' <<(,: 4 :' ' T< ' %< ' <($ 38#2'"'/' ' %'Y
7-0/1,6,0-0 ' %<Y 016230/:,- ' %&' ! 8/8!%/2 ' ' ' ((210M,7 ' %(Y
7-0/1,6,4 : ' %<Y 016232*' ' YT' ,:*7*6.0-0 ($&' ((' YYY 21.7*6.4- ' <TT
7-,7 ' &(E 0162+,4 :' ' Y%E ,,:*7*6.0:4 :' ' E<Y 21.,/7 ' T'&
7-,7+/2-6,- ' &&(0162 -0*7' ' T'& ,:*7*6.0-' ($&' (% 21;,*.' ' Y<<
7-,7*6.0/7 ' &(' 0162 : 0/,7 ' - ,:*2;,4 :' ' 'E< 21.252 07 ' Y(Y
7-,7/,6.4- ' %&' 0162*0 : 7 ' <YT ,* *20;7/,-' ' 'YY' 21.21+67 4/7 ' (%(
7-,21067 070 ' T&< 0162*0 : 000 ' <YT ,,:*232/7 :' ' ''% 21.21.=6070 ' T'&
7-,21067 4 : ' T&< 0162-,1;;* ' <<(6,:221., 7' ' E&'' 21.21.=64 : '
7-,2-,1.2*' ' <E' 0162-10//20L' ' %T< ,:2*,7' ' (Y 21.2-10/ : 4 : ' - -
767*,7' X ' & ' 0162-10/ : 4 :' ' %TE ,:2-0 7 ' <&'' 2/7*6.750-0 ' $ <
760/707' ' YE% 0162-62 : 4 : ' YT' ' TY(3"/8$%'/45
76./-07 ' EY(016260-' ' ' ''% !,*7/,7' ' ' ' - - ,2/7*6.4-' ' 'T
76;/21.=64 : ' 01626./,G ' Y'Y ,*02*7' ' ' ' % % 2/0=7 ' %(
76.=/4-' ' ' (' 01626.=/,4 :' ' Y<$,*30*;0/+,7' ' ' E&' 2/21067 4 : ' % $
7G,/0,7' ' <%& 01626/,5.4 : ' YT' ,73 0=7' ' ' ' (&< 26070 ' ('

! %

,5.0 ,7 ’ Y% 2./,7 ’ Y$$ 4. 0*;0/+,7 ’ ’ &&(’ Y$’’
,52*,7 ’ %(2 ,*,7 ’ &&E 4 ,*0-0 ’ %<& 7,7307 ’ &$’’ $ &
,52*,0-0 ’ %(2 ,7 ’ TY T 4 ,*4 :’ ’ %<& 7 7’ ’ & $
,5/7*3/7 ’ <YT 2 ,,+,*0L T< ’ %< 4*/2*,7 ’ ’ ((% 7 :7 ’ E<(
,2/7*3/0 : ’ <YT 2 4+2 T< ’ %< 4*6,*+,7 ’ TYT 7 :0-0 ’ E<(
,5/7*6.04 : ’ <&Y 2 69,71 ’ E’T 4/7 6,7 ’ ’ T<$ 7*7//76,7 ’ E<(
,5/7-60/,7- ’ Y’’ 2 :2/3,57 ’ %< 4/,57/,7 ’ TTY 7*3,*7 ’ ’ T$E
,5/20 73,7 ’ Y<’ 2*7*3/7./7 ’ &&E 4//7=7 ’ (E’ (Y 7*2307 ’ ’ ’TE
,5/252 04- ’ Y’Y 2*7/37 ’ <TT 4-7 ’ ’<E 712 02*7’ ’ %T&
,5/252/,- ’ - ’ 2*7/30-0 ’ <TT 4-750-0 ’<T’ $ ’ 712 02*070 %TE %T<’ $$(
,0/25=57- ’ ’<(2*30*7 ’ %(’ ’<T 7/7?0 ,7 ’ ’ ’(
,5/230- :,- ’ <YE 2*06,7 ’ E%< 4-57/, ’ ’ &%< 7/5,--070 ’ ’ ’&<
,0/232*’ ’ < (2*, ,7 ’ Y<(4-5, YT ’ $T(7/5,--4-’ ’ ’ ’&&
,0/23=56,2* ’ Y’(2*, :,7 ’ <%& 4--70*37 ’ %&< 7/32- :,7 ’ E$T
,5/2 ,0,7 ’ %($ 2*, :,750+0 <%<’ $ (4--70*30-0 ’ %&< 7/32-675.=-’ ’ %Y$
,5/2 ,5,0-0 ’ %($ 2*, :,0-0 ’ <%& 46,-,7 ’ %YY’ E$E 7/34-’ ’ &&E
,5/2 2 :7 ’ EE(’ <%< ,66,-,75070 ’ %YY’ E$% 7/0+7 :,7 ’ ((%
,5/2 2 :-0 ’ EE(2*,-,7 ’ <’% 7+/4 :’ ’ TT&’ TTY 7--742?,7 ’ E$$’ E$E
,5/2 :0+7 ’ Y’Y 2*,M,7 ’ %<Y =50*7-6/4 : ’ ’ YEE 7--742?,75070 ’ ’ E$$
,5/2 :0 4 : ’ (< 2**,0/7 (E’ (T(’ A =52+2*0 ’ Y<T 7-64/6,4 :’ ’ TT&
,5/2 :0/,7 ’ <T 2*250/7 ’ TY =521.=5070 ’ Y’E 7-64-’ ’ &&E
,5/214-’ ’ <$T 2*25.-067 : %($’ %(=+,*37 ’ (%(76-,76,4 :’ ’ ((&
,5/2/.7 :*6 :’ ’ (%& 2*25., 0-0 ’ < < =2+7 4 : ’ &%< 745 07 ’ ’ %&E
,5/2/.=45.4-’ ’ <$E 2*25.,K,- ’ < < =2*, :7 ’ %&< 745 0-0 ’ ’ %&E
,0/2-0/,’ ’ <$E 2*25 07 ’ Y(Y ’ < $ 0590/7 ’ ’ YT’’
,5/2-12/7 ’ Y’(2*25 00-0 ’ Y(Y =212/,*070 < $’ 0067*3/7 ’ ’ <E%
,0/2607 ’ <($ 2*2526=032*- ’ ’E% =212/4 : ’ < ’ I 007 ’ <T’’
,5/26.05,4 : ’ Y<$ 2*232/7 ’ ’ Y& =2-2.=2- ’ ’ ’TE 00-,7 ’ ’ T&T
,5/26,-’ X ’ ’’% 2*2 21,7 ’ E$$ =2-26,-’ ’ <’T 0+4*32 ’ ’ (E<
,0/26/21,- ’ (%(2*212/7*3/7 ’ T’& =2-4/4-’ ’ ’’ 0, ,7 ’ ’ (<%
,0,>.2,0/7 ’ YT’ 2*2/:,7 ’ Y&$ =/0,7 ’ ’ %TE A 0,/4-,7 ’ ’ &&%
,0/-,7 ’ &%Y 2*2-2 0*,4 : ’ Y%$ =/,7*+,70070 ’ Y%E 0 7 ’ ’ <$T
,97*,7 ’ E$(2*267G,3070 ’ <&Y =/,7*+,4 : ’ Y%E 0 ,6/,-’ ’ %TE
, ,4 : ’ &&(2*267G,- ’ <&Y =/,57 ’ <&(0 -2*,7 ’ ’ <$E
, ,4-7 ’ Y& 2*26 ,057 ’ E(% ’ <& 0 -2*,0-0 ’ ’ <$E
(, 06,7 ’ ’ (’ 2*2 5257 ’ ET(=/,57/,7 ’ ’ T<(*)8 .#/2’’’ ’ ’ T $
, ,+7*,7 ’ &E& 2*26/217 ’ < & =/,5070 <& ’ $ % !]0 4 : ;,4 :’ ’ □ ’
, *07 ’ ((% +383$"3./2’2 ’ < ’ =/,252554 : ’ YEE 0 4 : ;2*070 ’ ’ □ ’
, 62*,7 ’ ’’% 2*26/;10-0 E ’’ $$’ =/,230-:7 ’ Y’T 0 :7574 ,-’ ’ <((
, :060-’ ’ <<% 2*-2*,7 ’ ($& =/,2*0:7 ’ Y’T 7 :7 ,4 :’ ’ Y<’’
, :2-7 E$’ (<< 2*-60/7 ’ &(< =/,21.=4 : ’ % % 0 :767*6 ,4-’ ’ EY’’
, :2-0-0 ’ (<E 2*6,7 ’ T<$ =/,2-62,*7 ’ YEE 0 :0-,7 ’ ’ E&<
, :4 4-’ ’ E&’ 2*6,*,7 ’ %(Y =/,26/,5.,7 ’ Y’T 0 :217*6.0-’ ’ (%$
, :4-21-’ ’ E(< 2>4,,07 ’ (&< =/,-6,57 ’ << 0 :21.,7 ’ << ’
,> 0,7 ’ ((& 2/-07 ’ ’&E +-"#& ’/#’$’ ’ <%Y 02 :0/,-’ ’ Y’(
,/7;,0-0 ’ <T’ 2/5.0 7 ’ YE< =/,-6,5070 <%Y’ $ (0266,7 ’ ’ ’E
,/7;,,-’ ’ <T’ 2/0-0 <<Y <’ ’ $ % +-"3%/!/8’$& ’ %T$ 0266,0-0 ’ ’ ’’E
,/;0,7 ’ (’ 2/,57*3,7 TT’’ TTY =/23,7 ’ ’ T&’ 0266,-12/7 ’ Y<$
,-5.232* ’ <YE 2/,*7 ’ %Y(=/26.05,4 : ’ YE& ’.’8$%/2’#&’ ’ ’$(
,-0.232*60-0 ’ <YE 2/,*37 A ’ %&< =/2G=2* ’ (’ 01046.070 ’$(’ $ E
! ,-6/7-75 :0 ’ EE’ 2/,*30-0 ’ %&< =//.,-’ ’ %<& 010*6.0-’ ’ ’$E
,60.0 7 ’ %&’ 2/,*+7 ’ T(< +-"&#8/2’$ ’ E(’.’8$%#82’’ ’ ’$(
,6/707/14 :’ ’ %&’ 2/,*+0-0 T(E’ YY’ =/-,*0 ’ E(% 01067 ’ ’ <TT
,6/7/,7 ’ EY’ 2/,-,7 TT’’ TTY =/-,*070 <(’ $$&’ 01065-0 ’ ’ <TT
,6/02 7 ’ <E’ 2/,-2*,7 ’ T(% +-"&#8’/& ’ <(01.0,4 :’ ’ (<(
,6/01.2/7 ’ Y& 2/:230-’ ’ ’’% =/-,1.=4 : ’ &<$ 01./2023 ’ ’ ’’Y
,6/4 7 ’ Y<< 2/4- ’ <’ =/67507-’ %TT’ $$(01./23,4/1’ ’ Y$$
*,730 1.4-’ ’ YT’ 2-5.7/,7 ’ E$$ =/070 ’ %TT’ %TE 01./2:7 ’ Y%<
,7/,,:’ ’ <%% 2+026,7 ’ Y’’ +-"$# ’ %TT’ 0164*,7 ’ ’ &&’
*,4 :’ ’ YT’ 24/0/7 ’ ’(’ +-"$#8’2& ’ %TT 0/025=-6,-’ ’ Y’T
2754//7 ’ <Y 24/,-,7 ’ %(=/62,3070 ’ %TT 0/,4 :’ ’ <E$
230507 ’ %%& 2467;07 ’ TE$ =/64- ’ %TE 0--07 ’ ’ %((
2300506 ’ %%& 452/ ’ Y< =-230*3/2* ’ 2-,7 TT& TTY
23,2 7 ’ T&T *5,,*7 ’ ’ (’ =-6/21067 4 : 0-2371.*0 ’ ’ <<%
2.7*7 ’ <($ 4.0*;059,7 ’ ’ <((04/757*6.4- ’ ’ <$<



7/,*7,0,4 :	(&<	0*-60 : 2*	E&d	.7 7/,30L	&&	.= 23250	E <
7/,-	&E	0*675.2*3/7	ET(	.7 7/,-	&&(	.= 2+ 2--4 :	Y %
7/,- .,7	(<T	0*675 06. /7	(<<	.7 4-	YE%	.= 21. 2/7	Y<
7/9,7	(<<	0*675/21.=-	<T	.7/ ; ,60-	E<<	.= 2-173,G	& $
7/ 5,0-0	(<<	0*67+2*,7	%&<	.7/ : 7504 :	%<	.= 2-60+,4 :	<TT
7/9,*-2*,7	(<&	0*67*,-,7	%&<	.7/*750* :	T<	.= : 76230-	Y$$
7/ 762/,7	TTY	0*6717*7G	%'%	.7/4-	&TT	.=-7 ,-	E'&
7/ : 0 ,7	Y%<	0*671060-	T&	.7-54 :	YT	.=-7/4 :	YEE
7/ : 0*6,0/7	<$%	0*671.= 7G	T'	.7-02 0L	(	.=-5,7	Y%<
7/ : 4 7/,7	Y<$	0*67/71 ,,7	EY	.7-02 4-	(	.=-/2 : ,6/0 7	YT
7/*7--,7	(YT %$ (	0*67-	%&<	.0 ; 7 ,4 :	(E'	.=-52 : ,6/,4 :	YT
7/*7--,0-0	%$T $$T	0*676/21,-	EE(	.0 ,1-7	EY(	.=-2-,1 .2*	' ' (
7/25 .064-	('	0*6.07	' '%	.0 230*3/2*	(E	.=-2-10/ : 4 :	%<&
7/2*=5 .,7	<%%	010/1 : ,7	'($	.0 2/,*7	YEE	.=-4/,,-	' 'E
7/2*=5 .,070 <%	<%% $ (	01 ,-	%((	.0*7G	&&	.=60 01 .7-	&T
7/21-,7	%%&	0/7	<Y(	.0/2-1. L/7	'%<	.=60 01 .7-,0L &T	$ Y
7//26,7	% $	0/0L	<Y(	., 730 1 .0L	(Y% $$T	.=604 : 7	E T
7/6 .0*,4 :	E$%	0/0M,7	E$E	., 730 1 .4-	(Y((Y<	.=625/0*0	((&
7/?76,7	T$ '	0/+4 7/,7	EE%	., 0-,7	&E	.=625/0*0L	((&
7-17 4 :	&&T	0/+4 7/,0L	EE%	%#!'&#/2'2	&E%	.=62 7557	<($
7--0/,*7	<E '	0/,0. L*7	YEE	., ,11,7	E <	%-$3!/22/2'2''	<T&
7--, 2/7	%%&	0/,52*,7	Y<T	., 0*06,7	<Y(	.=62 7550L <T& <($	$ T
7--, 2/0-0 %%< %%&	$$%	0/,30/ : ,4 :	Y<$	., =/07	E%<	,507	'%T
760/-2*,7	' &E	0/, 7	<T	., 230*3/2*	&(<	,527	YE<
76/,*,7	%Y$	0/,1 257	EE(	., 23,50	&' (	,5/7 : *,7	(T&
7,, ,7	Y%E	0/,1 250L	EE(	., 26.057	(E	,0/7 : *,0L	(T&
74 .*,7	(E(	0/,-60/,7	' '%	% -)"/2'2'	&<	,5/,3,* :	%Y&
74 28*,7	E&<	0/,-6/21.0	<$<	., =3/0L	&< '	,5/,-	E$E
7?0667	%&<	0/,-6= 4-	' '%	., =3/4 :	&<	,5/230*3/2*	(T&
7?,7	(<<	0 : 066,7	E E	. 0 ; ,7	YE%	,5/2/ .,M7	E&'
7?2*,7 T&	T&T	0/2*2-12/7	Y<T	. 0 ; 21. 2/7	YE%	,0/,-	E E
7=17=/2 7	T%T	0//26606,7	(%	. 0,*0L	&&(	, 75/0	YEE
7=17=/2 0--	T%T	0/-07	<E%	. 04 :	&&(	, 57	&&
056,-	E$%	0/-0700L	<E%	. 2+757*6.0L	<$<	, 2 ; 2 4-	Y<
037 ,*0-0	<$Y	'"&#2/82'	<(	. 2+757*6.4-	<$<	, 257/14-	(E
')/!#8'2	<$ '	'"&/ $<'	E&	. 2 : ,-	<TT	, 2-6= 0-	
037,,4 :	<$Y	0/-22*,7	<<%	. 2G	E<(	, 4 7/,7	Y<Y
')#29!/"'&	E&(	0/-22*,07	<<%	. : ;0	<E%	, 4 : *7	' '%
03,54 7/,-	E& '	0/64-7/,7	Y%<	.20*,G	& &	, : 0 07	<E'
03,, 7*6 .4-	<Y<	0-67 2MM,7	Y<$	.2 ,3,7	<	, : 0*67	%TE
03, 2*4 :	' '(	067-,60-	E$%	.2 ,3267	' '%	, : 1,*0 7	%<&
0+7*/7*	(E' (	'$#('"'2	<T&	.2 : 7	Y<$	,*7*+7	& <
0,G2627	($	06,?0/,7	<($	.2/ : ,4 :	&%<	,*0L	'%T
0 7/+2*,0-0	($&	'##('"#/2'$	<T&	.26,*,7	('	,*+4,54 7	EY
0 7/+2*,4 :	($&	06,?0/,0L	<($	.2G7*6.4-	(<$	,*9*0=7	%&E
0 07/,7	TT& TTY	06/L7	<	./7+ : ,3,4,4	YE&	,44-	'%T
0!0G,7	' 'E	56/L0L	<	./7+ : ,60-	&&%%	,10/	' ($
'!#3&/8$%'/'	&%T	56/200 ,-	Y<	./7+ : 26/,5.4 :	Y<(	,10/750L 'T& $ E	$ <
0 !,7	Y(Y	06/25216,-	TEE	./=*,4 :	'EY	,10/,3,4 :	# ON
0 ,2*,7	06 21O 7	<<%	.457+/2-6,-	& $	E&<	,16730*,7	(<&
0 21.2/4 :	(<&	06/2-10/ : 4 :	T&	.=+0 ,4-	E&<	,1676.0/4 :	&&(
0 67*3/7	& (<	06/2-12*+,4 :	Y'T	.= 70,7	Y<$	,16257/1.7	E$(
'!$/$/'	Y$(	064*+7	%&<	.= ,57	(%&	,162-62 : 4 :	Y<$
0 6,+0/7	Y%<	064*,7	E<	.= 7*6.0L	<Y	,164/4-	NN
0 ?06,7	Y'T	045037*0L	%<Y	.= ,7*6.4-	<YT	,/54*,7	<($
0 : 1 .,-	%((	045037*4 :	%<Y	.= 7/6./2*	<$%	,-2*,7	<T
0*-07	'$	04 : 4-	<%&	.= ,-	%& ''	,-675,7	(<T
0*-0750-0	'$ $ E	0=--2*0 ,7	Y(	.= ,6,-	Y'T	,06,7	&(
0*-00L		0M,M7	YE<	.= 2 ; 2 /=0L	<Y<	,-6,750L	&(
0*,5, 7/,7	&TT	.750 ,7	E<	.= 2 ; 26/=4 :	<Y&	#&$#/2'/'	&(Y
0*,5, ,4 :	Y<(	.75,3,4 :	YE<	.= 257564-	%<$	,-4 :	(
0*,5, 4-	Y'(	.L2-12/0L	Y<&	.= 20 734-	'%<	,67?,7	(TE
0*,,, .	Y' ''	.7 4-	' '%	.= 252/=*0	'T&	,657,/*,7	'<&
5**7*6,7	((''	.7 L*21-,-	' '%	.= 202- : 4-	TY%	,6.752 2 ; ,4 :	(<<
0**,-064 :	&TT	.7 7*+,4 :	&%<	.= 23,L' /	Y%<	,6.052560*,4 :	<$T



!

@ *▯* M N
@ *▯9*g M N
@ ;47*B* @B O
@ ;+ @ *' MQM
?R@* ? H
@ - ? *' X MM

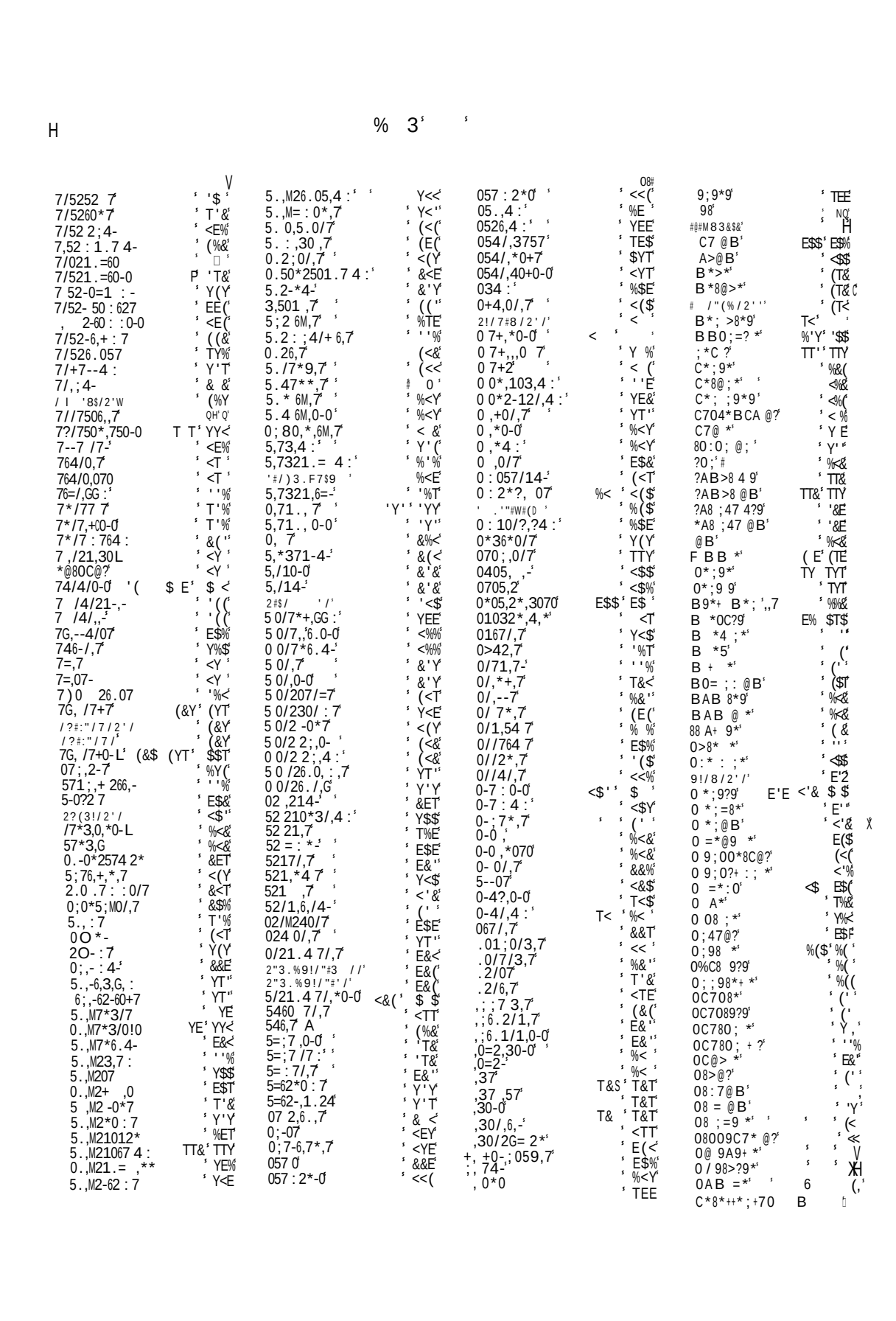
K Q
* 9;* = * Q
* 9? *' OH
* 9? *49?9 O Q# H H
/ :.!'%#$&' O Q
* 9? 9?g X OH
* ; * MOH
▯; * OQN
* 9 :7 *' #
* ? * QO
B ;*' Q
B 0=9?9 Q
*B0;= *' QQ# N
/ 38)#/22$& QQ
*B0;= 9?9 NQQ# H HH
*8*C7 4*8C* O
*;= * N
*;=0; *' M
*;@44@ *49*9 HOH# QQN
*;@;4@ 9?9 HOO
*;@;4@ @? HO
C+9* N
C+99*g t N # H H
C7;9?9 Q
*C *; ?+8@B O
C7;@?' Q# Q
*C7 0 9C ? #MOO
*C '?+8@B Q# Q
?C *' H
*+0; * M M
*@/0 *'
-9; *' ON
-9; *' QN
9*@B@8 * N
9*@B@8 9?9 NM
9>0@ *' Q
99 9?+*' O
9 B*8 *'
9 ; / *8=+ * H
9 ??9F *' M `
9 7*; *' N
9;*;+798* OO
9;9* B * ON
9?9=* M
9?9=*49?9 MN# QQO
9?+ *49?g OM# H H
9?+ 0 O
9+*; *' M
9+ 4@ *8 * QN
9+ ; C7A 9*9 N
9+ ; C A @B N
9+<*'
9+< 9?g a
7*>=0/9 ? * Q O
7*40B +8 @;* Q O
7*:0= *' NMQ
69 8/2' M N

7*B;9?g M N# M # H H
7*B;@?' M
7*C ? H
7*<A*
799= * O
79@B NMM
795 *' M # MH
795 9?g MH
7 ;4*;+7@? N N
F /8$%/2'& M
7 ;*;+7 =9?9 O
%#8/8$%3#)'2' M
7 ;*@+7@? N O
7 C?* ?' N
7 <;*' a Q N
7 <0>0 9*9 OM
7 <0:0; @B Y Q O
7 <0C708* HQ
7 <0C7089*9 H # HQ#H M
7 <0C@?' QNH
0=*B; *
70=*;+7g' Y
70=9* H
%3)3))"/ H
70=0=9;=80; HN
70=0=98B ? QNO
0=0+?9;* O
70=0 9 *' H
0=0B9 * QN
70=0BA8+@?
70=08*' HN
%3)3&.'" '2' QNN
70=AB9; * QNO
70C* *' NN
70C* 04;9B ? O
70C* 0BA49? QN
7@? MN
7A47*;+798* M
7A4704*8C* H
7A470+794* Y M
A;470?+9: @B Q Y
7A;4 0+947@B QO
7A;40? * MOH
7A;90?C08* OQ
7A;40?C089?9 OQ
7A+?B*' # Q N
>9?' # MQM# MQQ
>9? *49?g MQM# MQ # HN
>9? 9?g MQM
99 * QMQ
44 9+9 QMQ
44 9 *' QMQ
47*8=8* # MN
47*8=?0; * O
479* M
4 ;9?9 NQM
4 ;9 *' NQM
4 ;04*8C9:9 N Q
4 ;09*8C@? N Q
4 ;@? NQM
9 * QMQ
C0:0;@B O
+4> 9*' M
-9* NN
- ;*' # NM

8'
-@ *8 *' N
+ @ *8 9?9 QOQ
0> ; * QOQ
0> ;?0; * MOH
0449 *'
04 9*'
0479 *' ' Q
(047+ 9?g O
0=8 : *9< * NO
09 * OO
49B98 *' H
49?+9 *' HO
0 ; * QN
0;=9 9+ * HQ
0;=9 9+ 9+9
08 =@ *'
0?* O
0?*49?g MO # H
0?409* ON
0?9?9 MOO
0?B*8 ;@? N
0++>49 *
0@4798 *' Q
0@ ; *' N M
0@89* MN
05>@8:7 * NH
05>@8:7 *49?9 NH# H
0A=? *' M
0A9;*' M
9,'2' M
@> * O
@> *49*g M# H N
@>@?' M
@=>94F * #
@=:9* O
@9 * N N
@9 =*g N N
@9 9*g N N
@ *: *' N
@B95 NMM
:: * N N
@CC *
C899>+= NMM
@?90? O
@??9 *' N
@+* MH # MHO
@+*49*g MH # QQQ
9$'2' MH
@A?9F *' OO
A??0C+98 ? M H
A+ =0C A @+0 QO
A+ C7 ?9* QN

= $ H
>>+ *' N Q
*> * MN
*> *99*g M Q# H H
> 49 N
*447*8*B
*440 *> @B OO
*40: 0++? Q
*:9@+ *' M
: ;'

*: ++*8 * H
*:8*9* MH
:? HO
* *4 * HN
* *5 ? NHN
/!#2)"#' M
* 4 ;9?g N # H H
* 408; *' NMQ
* 40B 9*9 NMQ
* ?>@8A* O N
* 5 N N
* 0B0; *
* C *;+>@? N O
* C : 0?? =9*? N
* C : 0?? ? N
* ?0 * NMQ
/!&3!/2'2& NMO
* ?0 9*g # NMQ
* + * N
* C*=08*' O
* -*=08*49*9 N O# H
- * N
* - ; * QHH
* - ; 9*g QH # H
B=98*' M
*B>@49*g H
/ ,92'$' OQ
*B>@9@?'
*B0 9?g MH
*B0 @? MH
BA=
*BA= 49*9 H# H
*;=98?0 * M
*;=08 4@B MM
*;:;;*8 * HO
*;:@ ?08>9?9 M
;:@ ?08>
*; 4@ *' N
*; 4@ 9?g N
;?9 898 N
;+ *99*9 O # H HN
;+ 9*g O
;+ @B' O
*;+98 *' ^ MM
@+0 ;')YY
*C ;=*49*D M H# H H
*C ;=9*g M M
*C ;=@?' M M
*C0;*8 *' N
C0+' MN
U/.3$/2'2' M
/.=$2& M # H
*C8 *' O H
*C80 9:; * QO
*C80 9:; 9*9 QO
C80?B' O
84=9; * OO
89;=8*' OM
84;+>@? OO
*8909*C;0? H
8900@ 0; M
*89049C * ?
*8409 ; @B NQM
8404044 O



3

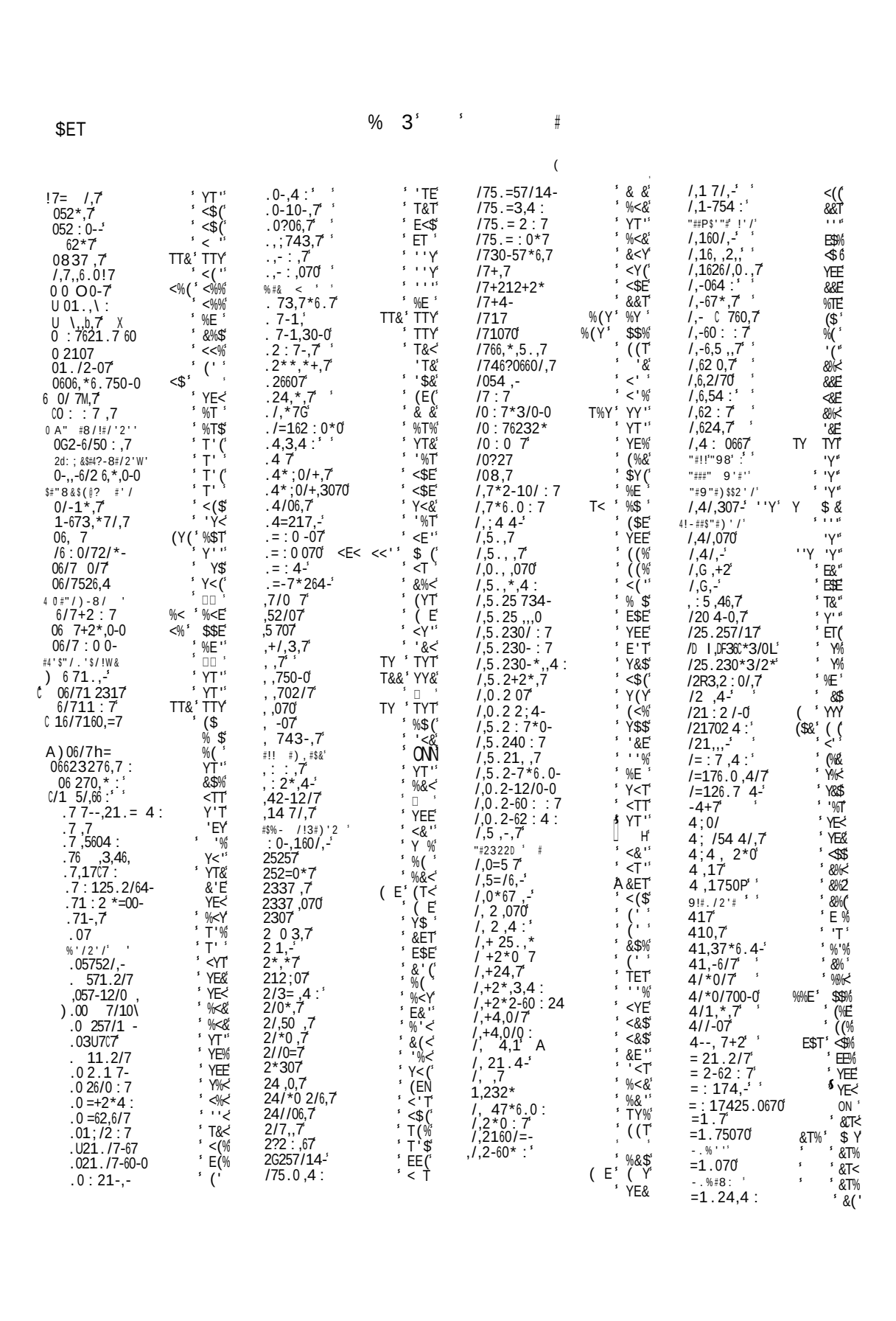
17/7G,- ' '&E
17/+7*,0(< ' &TE
17/+7*,4 : ' &TE
17/ : 7,,*,7 TY ' TYT
17/6,*7 A ' &&%
1767 ,7 ' <<%
1767*+,3,4 : ' Y'Y
176.776.4- ' &<E
176.0 ,7 ' &T&
176.,57/17 ' &(<
176.,1. , 4 : ' &(E
176.2307 ' <$(
176.2+ 266,- ' '%
176.4 7/,7 ' YE<
1004 7/,7 ' E T
10/+4 7 ' TE&
10/+4 7/,7 ' T<&
10/ : 75250 ' %&'
10/ : 75250 0 ' %&'
10/ : 2-,/7 ' Y&$
10/ : 26.7/7*4, : ' Y<'
1.750 7/,7 ' Y'T
1.720 0 ' <T
1.750 ,7 ' YE&
1.-0/7 507 T&
1.-0/,7 ' YE<
1.-0/257/14- ' Y(Y
1,-0/252554- ' Y<'
1,-0/2*0/77 ' Y<$
1.70/21.2/2* ' Y%E
1.-0/2/.,M1* ' 'T&
1.70/2-2 : 7 ' Y''
1.70/26, 4+ ' Y&
1.7-/2M=+7 ' Y&$
1.7+*7 YTY' $T(
1.7+*4 : ' Y(T
1.0*2+=*0 ' <$$
1.50//.07 ' T&T
1,0 : 7**,7 ' < $
1,0 : 7**,070 ' < <
1,+0 ,7 ' E<'
1, 7*6.0-' E$$' E$%
1, 2*0 : 7 ' Y%E
1,*70,7 ' &(Y
1,*75,07-' ' <(Y A
' (&%
.#"&'/''''' ' (&('
1, 07,,6.0* 4, ' (Y(
1,/7*6.0/7 ' (T(
1,/7*6.0- ' ''E
1,/, 4-' ' &$E
1,/230 7 ' &%$
1,/2+=/7 ' Y''
1,/2 2;070 TT&' <(Y
1,/2*0 : 7 ' &<Y
1,/26-0*,7 ' Y''
1,/4 7/,7 ' $'Y
1,/4 ,*7 ' Y'Y
C *47 = @B ' Y'T
C *47;@B ' YT'
CO;=*?' ' (<T
12*3,070 ' (3T
CO;=A 08 @B ' Y''
12*,7 ' <'%
12/ 030/7 ' YT'

12/2;2 4- ' &&(
12/25.*4-' ' Y'T
12/20=;0 ' Y<T
1/0*+0 ,7 ' <T(
14 : 7/,7 ' YE<
1=/,3,4 : ' (%&
>47 : 7/,7 ' Y%<
677/,7 ' % %
675.=30-0 ' <TT
675.=- ' <TT
670.=-60 : 2* ' <&Y
670.=67/1.067 ' < '
675.=4/4- ' T'%
6759.2,,-,7 ' (%<
6759.24-,0-0 (%<'
67*+0/,7 ' '<(
67*.2107 ' ''%
6710 ,7 ' EE%
6710 ,0 :' ' EE%
671.= 07 ' (%E
671.=0750-0 (%% (E(#
671;=0-0 ' (E(
676,00 ' ET'
676,2070 ' ET'
674*62*,7 ' T$'
674/7-6/4 : ' Y''
674/2-10/ : 4 :' ' Y''
60+, 7 ' Y<<
60 ,- ' ''(
60 7/,7 ' TE&
$'!!/$#& ' %&(
60 0/7 ' <E'
60 : 23,7 ' <&'
60 : 2*,6,- ' YEE
60*756,-' ' E$T
60*7+=*0 ' <TT
60*7*6 ,0/7 ' ET(
60*257/14- ' <<%
60*25.7-:7 ' '<T
60*22., *0 ' <
60*2 2;0-0 ' -
6042 : 0/,30 :' ' ''Y
60*2 : 0/,- ' ''Y
60*21067 4 : ' TTY
60* /.=*5.4-' ' ''E
60*20,1.2*,4 : ' ' <$<'
601.7*,7 ' '
601.7*2123,4 : ' ((<
601.7*2-1.-0/7 ' Y&$
601.7*26,- ' EE%
601.0*-,7 ' YE<
60/566 ,7 ' T&&
60/54 ,75070 T&(' YY&
60/0 ,0-0 ' T&'
60/02574 2* ' Y%E
60 02-10/ : 4 :' ' I
60/04 :' ' YE%
60/*;0/+,7 ' '&&
60?,7 E$T' <$(
6,567 ' Y%<
6,26, ' YE<
6,+ : 71.= 2*' ($$' ($
6,+ : 760 7 ' Y'Y
$#!,'#3'W' ' < (

6, ;0 ' < %
6, ;,*070 < (' $
6, ;257/17 ' %'%
6, ;2-12/7 ' YE&
6, ;4 : ' YE&
6, .*+,7 ' <YE
6, 21.2/7 ' Y'T
6, 1*217114- ' <$(
6,17 ' ' &&('
6,10-0 JA ' &&(
6,14 ,5,37 ' TE&
6,/ ,*+,7 ' <<%
6259-,7 ' (E&
6/2;0 ' E$(
6 ,.0 ,*7 ' E$$
62 : 76257 =50 ' &YE
62 : 76207 =G ' <YE
6/7*?70-,7 ' ('
6/76,260-' ' RII
6/76,26,3000 ' A' 'E<
6/0; 2*0 : 7 ' Y'T
6/0; 4- ' <'
6/0 ,6M,7 ' '<E
6/016257/14- ' <Y'
6/016257* 2* ' E<(
6/0162 2 : 7 ' TTY
6/016214- ' &<'
6/,+7 ' E&'
6/2;,7*6.0- ' <$<
6/2 : 7*6.0 ' 'EY
6/2 : ;2-,7 ' ((
6/21.7*6.4- ' E<$
6/4 : 1 ,7 ' %&<
6/46.,2 7 ' <E'
6/46.,2160/,- ' Y$$
$"-2%8/2 ' <EE
$"-2%8'2&' ' EEE
6/=0.*2-' ' <E'
647/6,7 ' T'%
6= 7160/4- ' '$
$#@)#/22$ ' E$<
6= ,3,070 E$<' $$<
6= ,3,4 :' ' E$'
6= 2;7-,4 : ' (&<
6= 200/70 '
6= 25 ,7062* ' &('
6= 21.2/4 : ' T '
6= 2-60+,4 : ' YT'
6=1.0 ,7 ' <T(
6=1.0 ,070 ' ET(
:-"/2/2'W7 ' E%
6=/75070 E%b <%T' $$&
$-"/2#8'#& ' E%
6=/7G ' <%T
47037 ' <(Y
4703070 ' <(Y
4;4 7/,7 ' TT&' TTY
4552?,7 ' TTY
923(# '8$/ ' %$(
4 /0*,7 ' %((
4/,7*7 ' (T&
4/,/0 7 X ' Y'Y
460/,7 ' %&'
87,*-2*,7 ' ('
87/67,,7 ' (<<

87/6M,070 - ' (' '
80/6,7 X ' EEY
80/6,070 ' <<Y
8C,060*,7 ' ((E
8,560*,077 ' ((E
8,*62*,7 ' (<T
=521-,-' ' % $'
=*, : 0/,7 ' <((
= : : 0/,0-0 ' <((
= : 1.,2+=47 ' Y(Y
= : 1.2/0 : 7 ' < ''
= : 1.2/0 : 070 ' < ''
= : 1.2/,07/14- ' %&$'
= : 1.=64 : ' E'T'
= : 1 257/14- ' &(E'
= : 1 250 : ' <%T'
= : 1 252- ' E%T'
=*730*,4 : ' <Y<'
=*7 =--,- ' Y%E'
-8/8$%'"'' ' %YE'
=*71.07 ' <<%
=*+2*,4 : ' &(<'
=*2-12/070 ' Y''
=/,*+7 ' <%<'
=M=+,60-' ' Y<

5 7' EE$'
7557 ' '&T'
75575070 '&$' $ ''
/22/'' ' '&$'
75-2*,7 ' %%&'
7+060- E$$' E$%
7 74 : 7 ' Y%
7 +40*07 ' (%&
7,*4 :' ' T<$
7,-,7 ' (E(
/ /"#2/2'$' ' T<T
7 : 7/,*34- ' (<&
7 : 7/,-00P ' T<(
7/77/,-2,*070 T<T' YY&
7 : 7/,G ' T<(
7 : ;24/,--7 ' <%&
7 : ;24/,--070 ' <%&
7 : 2*,7 ' < &
7*75064 : <$$' E$%
7*705,070 ' <$%
7*705,4 :' ' <$%
7*32*,7 ' <%T
7*+,*,7 ' E<$
72*,7 ' Y'T
710;,, 7 ' <$(
710,*260- ' EY'
714/7 ' ((<
7/7G754 : ' <$E
7/+,2*,7 ' Y%$
7//,06,7 ' T&&
7-:7**,7 ' Y%
7--73,7 A ' I#
74-5.0/,7 ' TTY
/?#87 ' '(Y
7G,*0/2 C ' '%<
7G23,0/2' ' '%T
7G23,4 :' ' '%T
7G4- ' '%<



=/, : *4 E$$
<YT
71700-0 <YT
32/7 'E<
32607 Y'(
0G ('
404- <%T
/770070 U <'< $ %
: 4 f <''
! 267 YT'
26./,G Y'('Y
, S Y'(
?,*7 Y&
]:' /$W %<E
: ;0 , 0/-0 %<E' $$E
: ;, ,57/,7 Y%<
) !*57/,7 %&E' <$Y
*+,,73,7 (E< (E<
!*,50 4,7/0-
*,2 7 &&E
) !*2*7 Y&
) !/7!01, &&E
/502 7 EE$
/502 7/,7 Y%<
!/032 YE&
/0*7 T&T
/0*0-0 T&T
/0/7 --
!/0/0-0 --
/+,,,07 &%<
/2 : =50- YE&
/21 4 : ''E
/21067. : , &%<
/21.= 4 : %&<
/-,*,7 E$%
!/6,57 --
6"$#2/2' <<E
/6,50-0 <<E' $ %
) !/?, 07 &E('Y'T
!-*07 Y%E
!-60/,7 A EE'
6!-6, 7+2 YE&
6/,04 7/,7 EY
6/,54 7/,0-0 E&Y' $ $
$"#2#)/"#"* > E&Y
?7/,7 Y&' ('
?4,7/,7 P &ET

ET$
755,*,0-0 <T$' $$'
755,*,4 : ET
7;07 E<$
7. ,7 (YT
7, 7*6,7 %&'
7 0/,7*7 %Y$
6/!'"#/8/2'2 %&&
7 0/,7*0-0 %&&' $$<
7 0/,7*0, 7 %Y$
7 07 TY' TYT
7 ,-*0/,7 E<' 'E<
7 ,-*0/,0-0 'E<
7*524 0/,7 T$E

7*37 E$$
7*30-0 ''%
7*30 ,7 E&'
7*+40/,7 %&<
7*+40/,0-0 %&<
7*, 7 ''%
7*67*07 TY&
7//2*,7 E'%
7 0/,7 T'&
76,57 T'&
745.0/,7 Y'E
745.0/,0-0 Y'(
7?707 ((%
0 0M,7 TE<
0 7 TT' TTY
0 2-,7 'Y(
0 2-,0 'Y(' $ &
0*,3,4 :' E$$' E$%
0*6, 7+,*0-0 (%&
0*6, (%&
0/76/0-0 &ET
6'"/$"'2' &%Y
0/76/4 :' &ET
0/;7-50-0 E&< E&&' $ $
0/;7-5* : E&Y
0/;0*7 < '
0/;0*75070 < E' $
0/;0*0-0 < <
0/;0-,*7 E$%
0/;40,7 '($
0/*2*,7 <$T'C<$(
0:2*,750-0 <$T' E$(
0/2*,57 E&'
0/2*,00L' E&'
0/17 YE<
0//457/,7 Y%<
0/6,5, ,*: Y<T
0/6,02/3,7 %T%
0-,57/,7 TT&
0-6,7 E&T
,;/,7 Y'Y
6?%8"#+ %'Y
,;4/*4: %&T
,5,7 ('
,5,0L ('
,562/,7
,0 7/3,7 <T'
,04-- 64G,7 '&E
,+*7 &'
,+4,0/7 E$%
, 7/0-,7 ((''
, 7/-,7 EEY
, 0;/66*07 --
,*57 EE$
6#82'$& ,*5062G,54: E%&
,27 EE(
6#3!/2'/' T%T
,27/,0L T%$
,206 T%$' YY'
6#3!'$& T%T
,-57/,7 T%$'
6#'23#)'$& TEE
,-54: ' &
,-:,7 'T
T<'

,-*07 T'(
6 /2'$' (%Y
,60L < '
6#$'& (%Y
,60G < '
,6,50L' < '
6#$#2'!!/' '(
6#$#2'& < E
,6,- (E$
,6673,*,7 E$T
, C,7*,7 ($&
,?,7*,0L' ($&
25.=-,7 TET
25.=-,750L TE YY'
2+0,7 ET'
2,6,7 YT'
2 97 : 0/,7 < '
2 ?25,*0L Y&$
1 $ Y&$
2=/,7 EEY
$V ('Y
O7. 0*;0/+,7 E T
O7 3-60,*,7 (&(
O7 7507 ((
O7 -4/7 ((%
O7 6;0/,7 T&'
O7//07 ''%
O7=6:7**,7 <YE
O76-2*,7 '&E
O0;0/7 %&< YT'
O030,7 <$%
O0,+0,7 %&$
0,;07 % Y
O0,*:7**,7 (Y P (Y(
O0,-,7 YT'
O0 6.0, :,7 &%<
O0 8,6-5.,7 C 'E$
O0*3 7*3,7 %&E
O0*36,7 ($&
O0*36,0L' ($&
O0/*0/,7 E$%
O0-6/,*+,7 <TT
O066,*,7 &T
O;,6,0 3,7 <$<
O.,6 7?,7 <<
AO,33/,*+62*,7 '%T
O,+7*3,7 <<(
O, 5-6/ : :,7 <E'
O, 30*2?,7 &'E
O, *+.;0,7 EE$
$'"' ' YT
O,0-734 7 T&T
O,-67/,7 ('
O,6.7*,7 <'&
O,6-0*,7 '&E
O2 ,7 &%$
O223 2/3,7 %((
O223-,7 Y$$
O22387/3,7 Y$$
O2/:,7 Y$
O2/ : -9,2 3,7 %%<
O/7*+0,7 Y<'
O/,+;6,7 EE$
O4 0*,7 E&'

Q - Y'
) 7,,6.,4 : <$$' <$6
) 7*6.252/7- (<(
) 7*6.21,= 4 : T<$
) 7*6.2/.,M7 &<
) 7*6.2//.507 &<'
) 7*6.2-,7 %<&
) 7*6.2-2 : 7 &(<
) 7*6.2-60 : 2* %T<
/8$%3?-!/2'/ (T(
) 0/7*6.0 : 4,* <$$
) 0/21.= 4 : &ET
) 0/260- &<'
) 0/26,30-0 &<'
), : 0*0-,7 E$$
), : 04,7 ((
),1.,3,4 : Y'
),1.,4 :' '&(
) 2/7*6.4- TYT
) = ,7 (<<
) = 2 : 0 4 :' <<%
) = 21,7 $&
) = 2- : 7 T%(
) =/,30-0
)F ,- &'$

> - &%<

< & '
h7 : ,7 '<(
h7**,5.0 7 &$E
h772*,7 %<T
h7*2*,0 0 %<T
h7*6.2G=0-0 ((' (T($$$
h7*6.2G=4 :' (E' (TE
h77-5.*0/,7 %(Y
h07 &&(
h0.*0/,7 %E
h0*2;,7 E E
h01.=/7 &%Y
h04G,*0 ''E
h0=.0/7 <$(
h ,7 (E' (TT
h, 7 TTY
h,*+,;0/ ON
h,*+,;0/750-0 '<$' $
h,**,7 E$$' E$%
h,110,7 '($
h,M7*,7 &&T
h,M=1.2/7 <TT
h,M=1.0-0 (%&
h,M=1.4- (%&
h2-60/7 & $
h=+730*4- &ET
h=+*0:7 Y'
h=+232** YT'
h=+2*,4 :' Y'
h=+21067 4 :' ''%
[-73:Y-!!/3'# ($(
h=+21.=0-0 ($(' YYY
h=+21.= ,, : ($E

. I %U , A / (. B 2% . , . %I A , % 4% % >B%B %

/7457/,7, : ; /,0767 ' '%%'
/ ;464-' *032' ' E '
/5046.2:,4 :' ' ' 'T
/562-'671. = 2-' ?7 '
4/-,' ' ' E '
/3,-,7 ' ' E (%
/057 7605.4 ' ' &T$
/04+7 -755.7/, 0/7 ' & Y
/06.4-7 ;4 ;2-7 ' ' ' '
/+7*,7 ,30/2G= 2*' ' <(<'
/+0 : 2*0' : 0G,57*7 ' T &'
/,--0 : 7 10*671. = ' ' X
4 :' ' ' ' &(&
B'6/,1. = 4 :' ' '&(&
B'46, 0' A' ' ' &(&
/,-7/4 :' ' ' ' &(&
/,-62 20.,7 0 : 76,
6,-' ' ' ' '$&
B'5/0*4 767' '
B' 606,37 ' ' ' '$&
B' 2*+7' ' ' '$&
B' 74/,67*,7' ' '$&
B'2 ,5,*7 ,-' ' ' '$&
B'17 ,37' ' '
B'/264*37' '
B'-0/10*67/,7' '
/ : 0*,757?4 +7/,-' ' (&&'
/ : 0/,7' ?4 +7/,-' ' <T&'
/*0;,7' ' ' ' <'(
/*,57' ' ' E$E
/*2662' ' ' T%<
//7070.7 0-54 0*67' ' %'$'
//759' ' ' & Y' &Y
//28/226' ' ' ' '<$
B' 2/6 7*3' ' '&(Y
/67;26/=-' -47?02 0*-' YY'
/60 : ,-,7' ' ' E$E
/6207/14-' ,*5,-7' '<''T
B',*60+/, 2 ,7' ' '-
/4 :' : 754 764 :' '&(&
/443,*7/,7' 7 5767' ' &YT'
/4*32' 2*76' ' '&Y
B' : 74/,67*,57' ' '&YT
-7626,37' ' '%'$
-7+/7=7' 2 ,5,*7 ,-' ' &E('
-7/7 ; 7507 04/21-07' ' '$&'
-7/4 :' 7-7/, 2 ,4 :' ' '$&'
B 574730*-0' '
B'04/21-04 :' ' '$&
-5 01,7-' 54/7--7?,57' EE%P
B'3054 : ;0*-' ' ' EE%
B'64;0/2-7' ' ' <E%
-.' ' <%''
-,: ,*7'6/, 2;7' ' YY
-17/7+,*0' ' X &<$
-17/7+4-' 7246, 2 , : ' &<$
B' /0*5.0' ' ' &%&
B'2 ,5,*7 ,-' ' ' &<$
-10*' ' ' <&'
-10/4 7'5=*7*5.,57' ' %&&
B'232/767' ' %&&
-1.230 4-' /7 : 2-4-' ' &%&'
-1,3,4 :' 7/2 : 0M' ' Y$T
B' /7+/7*-' ' ' Y$T

-1 0*,4 :' 3,7*64 :
*,+/4 :' Y$T
B' 467 : 4/7/,7 Y$T
B' /,5.2 : 7*0- Y$T
-60/,-54-' T(T
-6/7+7 4-' 7/,-6764-' ('%
B'5/06,04- ('%
B'?0/4-' ('%
6.0/2-10/ : 7' : 2-5.7
64 : <%Y
6/756= ,-' +4 : : , 0/7' E$E
6/,1 0G' .2/60*-,- <%$
6/217' 0 732**7 E&$
667 07' 4*, 0/7' ' &T$
4;0/+,*0' <&
454;7 %''
?7' ' ' '(
?0*7' -76,?7 &Y$
?07-' ' ' (&&
?0//.27 , , : ; , TY&
B' 7/7 : ;2 7' TY&
?,50**,7' < &
?25732' ' <EE
=717*7' <$E
M7 07' 12*6,57' E '

& ' &T$
73,7*0 YE
73,0/7 3,?0/-, 2 ,7' TE
7 7*,60-' 70+=1 5,757' (TY
7 7*21 ,2/7 'T&
7 74-6,4 : %(<
7 : <TT
B'2' , 073 ' (TT '%(
7 -7 : ' ,> : ,37/7;7/' % T
B'2' 2 4 ('(
B'2' *,0/, TYY
7 -7 : ,60' &$E
7 -7 : 230*3/2*' 7 /,
57*4 :' ((T
B' 7 7' ((T
B' 494' ((T
B' =//.7 ((T
B' 12;7 -7 : 4 : ((T
B' 2G;4G+.,' ((T
7 : ;22' &Y
7 : ;4-7 7 66*3,*7507 &Y
B'+ 7400-20*-' &YT
B' 06790 &YT
B'?0/6,0, 767' &Y
7*7*7 '<E
7*9-,7' ' ' <<E
7*=7* <'T
72;7:' T&(
7/;7/07?4 +7/,- T(
7/;0//-' ' ' T$E
7/0= &Y$
7/2-:7'5/0*767 (T(
7-0 7'7 ;7 <%T
B'/4;/7 <%T
7-,' 8006 <TT
7--,7';46=7507 <(<
B' 76, 2 ,7' | &(<
B' 2*+, 2 ,7 E(<

7--,7' 7/9,, E(<
76767-' X E<'
74 : 0'7'525.24 ((T
30 ,4 : (((
V 07 : 6/00 (&'
07* ('(
0760*' O2 : 7*#-' 0/; 'Y<
0;00/4' <EE
030+47/' (&'
005. -
006/226' <%$
0+2*,7' 7/+=/2-6,+ : 7' %\EE
B'5,**7;7/,*7' %EE
B'0255,*07 %E&
B'3,-52 2/ %EE
B'3,?0/-, 2 ,7(%EE
B' 45.-,2,30-' %EE
B'+/7*3, 2/7' %EE
B'.0/75 0, 2 ,7' %EE
B',*07//*767 %EE
B' : 7 7;7/,57' %EE
B' : 7*,5767' %EE
B' 0G %EE
B'-0 : 10/ 2/0*- %EE
B'62 : 0*62-7 %EE
B'64;0/2-7' %&E
B'M0;/,*7 %EE
0 732**7 &&$
0 7 -2 : ;/7 <($
0*+7' 7+0' X <TT
0*,*07-7'50/, 0/7 %E(
0* *46' T&<
0*6.7 : ,7' /7+, 0/7' %''
0*M2,* <%(
0/;0/,*0' T$E
0/;0/,-' 7-0,54 7/,-' T$E
B' =5,4 : T$E
B'?4 +7/,- T$E
0/+7 : 26' --0*50' 2 ' (T$
0/6.2 06,7'0G00 -7' %T<
067' =0 7 <%$
BA 717' <%$
060' ' ZZ '(
064 7'7 ;7' <'Y
B' 0*67' <'Y
B 4607' <'Y
B'*,+/7' ' ' <'Y
.7*+ -/-
,7/ : &(&
,+7/24 (&&
,+;2*,7' 0402G= 2* <$(
, ;0/+,7'6,*562/,7' '<&
,*38003' E<'
,267'2/,0,,67 ,-' '%<
,/0. <'Y
,/3 .0//= (&&
,/3,:0' ' (%$ 'T
,/;',/; <EE
,05.2 7' ' <Y&
,-62/6 <(%
,660/' : 2*3' (&&
B' 8006' <&
,G7' /0 7*7' T%<
759;0//= (&&
7330/ 0**7' ('%

,+.,7' -71,37' (E%
,*3,*+ 6/00 <Y'
,64 :' 2*4- 0*/,
40? <%$
B'/4;/4 : <%$
=G7 'E'
20.:0/,7'*,?07 <<Y
B' 4=7' <<Y
50/.77?,7'.,/-467 <T&
B'1/254 : ;0*-' <T&
B'64;0/2-7 <T&
2+ /,-' '&E
2 327 <%Y
2 064-' 57-67*04- YEE
B'034,-' YEE
2*+7/3,7 ./=-2+2P
*4 : T$E
2**0' 7 : 0 <%$
2266,7 'E'
2>4,7 T$'
2/7+0 E'T
2/7--4-' 7;0 2/ : ,- & Y
2//7+2' 2 ,5,*7 ,- -
2-5. 0-' - 5/221 <<E
2-,7 <($
2-80 ,7'6.4/, 0/7' ((T
267*= 7=' 4 : &<(
2 6/00 <'T
26/=6,-' 7--,7*7 Y<T
26/=5.,4 :' 0,5467
/,4 ; Y$(
2G' ' ' '$$
B';0//-' E '
/7;0,,:'-60 764 :' <<E
/7 : ;0' (&&
/7-0*,7'10 6760
/7-,,*0' ('T
/7--,57' 714-' T(
B'2 0/7507 T(
B' 717' T(
/7=0/7' 7*6.0 : ,*
6,,57 (&&
/7M, *46' %T<
B'A8223' ('T
/073 /4,6'6/00 -
/ 0- E&
/,*7 E&
/2:0,7' :+4,* '<&
/2 : ,52 7'7 046,57' Y<%
/2 : 4-' 576;7/6,54-' &YT
B' 7*+2' ' &Y
/223;22 : ' '<(
/22 : ' ('%
/2-,:4 :' ,07-6 : :' -
/24--2*06,7' 171=/,
0/7' ' ' -
/4507' 7*6,3=-0*60
/,07 (TY
B'-4 : 76/7*7 (TY
/45,*0' ' EE'
/4+ : 7*-,7 '
/4+4,0/7' % Y
/4*- 0 -,7'4*, 2/7' -
/=2*,7'7;=7-,,407' %ET
B'7;7 %ET

%

,6*, 9 ?4 +7/,
,6/4 4/7*6,4*,
0,+7 : 267
52 : : 4*,-
30 ,5,2-7
, : 0667
, : 2*4 :
: 03,57
: =/6, 2 ,7
7*30-6,*7
7?7/,7 7 : 06 . 607
07/,*+ 46
0 : 76,- 5,/ / .2-7
5/,-17
0/0567
7 : : 4 7
: 7*/,6,7*7
,67 ; 7
02 : 0 +,+7*60
.01671,,= 7
12 =+7 : 7
0/230*3/2*
2?0 7--,7
2?0/
2?0-
4, 2-7
4-,7 7?7
257
2552 2 ;7 ,?, 0/7
2554 4 79,-
5,40/7-00*-
5/,-14-
7?0-00*-
,*3,54-
1 C =B* +@?
10 6767-
1 76=1 . = 4-
2554 7557
25 .,*07
2 ,-.
20 ; 07/,7 ,,,,2/70,7
2 ,5,*7 ,-
/4-6,07*7
20. 2-10/ : 4 : 2-
- 1,4 :
,*-,+*0
6,*262/,6, :
259-52 : ,
2527
*46
24 ; 0
4 : :
252 *45, 0/7
2 00
2,G 70 . /= : 6,
2 5 .,54 : 7464 : *7 0
?7/,0+764 :
2 5 . ,* ,*0
2 21 . 2/7 46, ,-
2 207-,7
7,,6,>42/4 :
. , : 7 7,0*-,-
2 25=*6 .
2 6- 226
2 4 ; /, *7
2 4 ; /, *2
2 4 : *07
2 4607 7/ ; 2/0-50*-
2 M7
2 : /0
2 : : 0 =*7 7*+4-6,
2 ,7
550 0-6,- \
: 03,57
4 : 1 . ,,
-6/,567
64 ; 0/2-7
2 : 162*,7 7-1,0*,,
2 ,7
2*50?0, ; 7 +4, *0*-,-
2*37 : , *07
2* 0/?7 /,?* 7/,-
2*,4 : 754 764 :
2**7/4 7 : ; 0/6,,
17*,5* 764-
-105,2-4-
2*257/14 76, 2 ,*-
2*?7 7/,7 : 7 7 ,-
2*?2 ?4 4 3,--0564-
! 7 717 P
-7+,6670 2 4-
57 : : 2*,7
5 0307*4-
4/106 . * :
229,7 14*56767
217, ; 7 7 -7 : 2
217, 0/7 52/3, 2 ,7
52/,7507
2 ,5,*7 ,-
217 X
217 5 .0 ; 7/9 X
216,- 0067 P
6/, 2 ,767
2/7 ,*7 2 ,5,*7 ,-
2/7 ,*0
2/5 .2*,-75467*+4 4-
571-4 7/,-
301/0--4-
2 ,62/,7-
6/,30*-
2/3,7 =G7
4 : 1 . ,,
0;0-60*-0
2/3= , *0 74-6/7 ,-
2/0 : 7
2/,7*30/ X
2/,7*3/4 : -76,?4 :
2/,7/,7 : =/6, 2 ,7
017 0-,-
/4-5, 2 ,7
-7/ : 0*62-7
2/,7/,,*0
2/,-
2/9
2/*3280/
2/*,,*0
2/* 7 73
2/*4 2/,37
2/*4 /7+, 0/7
: 7-5,, 7 P
-7*+4,*07
2//07 0 X
2/-,57* 2-- Y&T
2/=37 ,- ; 4 ; 2-7
571*2,30- X
7 ; 7507
2/= 4 7 : 0/,57*7 & T
7?0 ,7*7 & T
2 4/*7 & T
/2-6/767 X & T
64 ; ,, 2-7 & T
2/=1 .7 50/, 0/7 &T$
-= ?0-6/,- &T$
4 : ; /754 0/7 & Y &T$
2-2,*,4 : 0*0-6/764 : T$T
2-64- -
247>40 <Y&
24 : 7 <E
24 : 7/,*0 ('(
24 : 7/24*7 232/767 ('(
24/241,67 %T<
28 ,65 . ('(
7/-*,1 %'$
1 7*6 <E%
6/0 <'T
/7 ; 2, ((E
/7 : ,0 : 7/,6, : 7 T(
6767/,57 T(T
/7*,2 7/,7 7**47 < $
/7--4 7 7/ ; 2/0-50*- %$E
26= 032* %$E
/4 ; 0*- %$E
/76-0+4- M7/2 4- (&'
G=757*6 .7 (&'
/76-0?7 +=*743/7 T(E
j ? 4/?7 7 T(E
71,7 T(E
/762G= 2* 2/*-5 .4
5 .,, T<&
/0-50*6,7 ,, 060 <$%
/0-- T(
,44 : 'M0= 7*,54 : '&Y
/,6, : 4 : 7/,6, : 4 : %'$
/254- -76,?4- '&<
/267 7/,7 44507 ('%
/262* 57 : 10-6/,- <'Y
0460/,7 <'Y
+/76,--, : 4 : <'Y
: ,57*- <'Y
,60- <'Y
10/3,501- <'Y
-0432 . ,*7 <'Y
4 ;0/2-66- <'Y
, + ,4 : <'Y
/262* 2, <'Y
/2M21 .2/7 6,*562/,7 <Y&
4 ;0 ;- '(
454 : ; 0/ %<T
/226 &<'
40* : , ? *+*/,7 %<(
437, : %E(
0 2 %E(
-76,/4- %<T
454/ ; ,67 : 7G, : 7
: 2-2 .767
2?, 0/7 ?
012
43 ; 07/
43/7*,7 7?7*0*-,-
4 : ,*
4 : ,*4 : = : ,*4 : ?
,,17*,7 -71,37
41 .07
41/0--4 1=/7 : ,37 0
-0 : 10/?, /0*-
4/7/27
4/7/0
4/760 7 7 : ; 7, ; 7 Y$
4/54 ,+2 2/0 . ,2,30- 'YT
-67*-
4/54 : 7 YYP
1 * ; : @?+ 0 * ON
0452/ . ,M7 '<T
h0327/,7 ' <T
h0/4 : ; 06 '<T
4/54 : ,*0 '<T
4/ /7*6 (E$' (YY
: 0/,57* <($
4-5467 30*-, 2/7 - -
7 2/ E<&
: ,*2/ E<&
4-17/,*0 '(T(
4-67/3 711 0 YY
=7*26,-7G, 7/,- '&<Y
=76 . 07 *,034 7/,- Y$T
=57- '(E(
=5 7 : 0* 0*/21 04 : E(
=32*,7 ?4 +7/,- (&'
=*7*5 .4 : 75464 : EE%
: 2*-10 ,0*-0 EE%
=*7/7 7/34*54 4- <$<
52 = : 4< &Y
=*232* 756= 2* &Y
, *07/0 &Y
=*2+ 2--4 : 2 ,5,
*7 0 E'T
=*2 : 2/,4 : 5255,
*04 : J
=10/4- 7/6,04 764- &&$
7 21054/2,30- &&$
3,?0- &&$
0-54 0*64- &&$
2*+4- &&$
/264*34- &&$
=1/0--
05,3424- '%<
=1/,103,4 : 14 ; 0-
50*-
=6,*4-
=667/,7 0/60/1,
4** , Z
2290/,
]P
%%
,-,*9 , *,,
%%

=52123,4 : 0 7+2 Y %
=0214- 04/21-04- <TT
=+54 : 17/6,4 : &YT
=+23,4 : 0,/5,*764 : Y$T
B : ,5/21.= 4 : Y$T
=-, : 70 ,,7 *4 : : 4
7/,7 E(
=6./4 : 7 ,57/,7 %(%

- ,3 <<E
750 <<
75.-0/,4 : ('(
734/7 74/7*6,707 -
B 6,*562/,7 -
75/25. 17 *75,-
-, : 7 &YT
7330/ <$<
73,70 : 0 2-7 <$<
B 76,?7 <$E
7+*2 ,7 754 : ,*767 YE
B 74/,54 767 YE
B 7 : 1;0 ,,, YE
B + 7457 YE
B +/7*3, 2/7 YE
B : 75/21.= 7 YE
B 4 7* YE
7.2+7*= ((<
B 730,/7 <EE
7.2*,7 T$E
7.247 <(<
7,30*.7,/ Y$T
7,M0 &Y
B 24*67,* T&
7 0 .00/* $T
7 28 T&(
7 1,+.,7 +7./7 ($
B 4/0*- ($
7 /7 /26/ : 3, 2 ,7 T&(
B -= ?0-6/,L T&(
7 : 07 T'$
7*757 E&&
7*5.,*00 <Y'
7*3/7+2/7 <&$
7*+, 0/7 ,.3,57 (<(
7*+2 &<(
7*+2 3 O4/M0 <%$
7 +2-600 T'$
7*+/2 O .,60 <&
7*,.26 <Y&
B ,1E <Y&
B 46,,--, : 7 <Y&
7*,25 <Y&
7*,>40660 <T
7*,-4/,-+/7*4 7*- &Y
7**7 E%'
B 2 /,7* 2* '%(
B 0/-,7* ('(
7**,60 E%' Y<E' Y&
71 0 ,/3#- 0=0 (E<
7/7*67 24=7 '<$
B 7/4*3,*7507 '<$
B 4607 -
7,5+/7?,7 4 : ;0 767 T'
7/5.7*6,7 5. *21237 Y%$

7/5.7*6,7 12 =
: 2/1.7 Y%$
7/ 2/7 : @ <TT
7/ : 7 730' O0-6 *
3,7* E(<
7/ : 26 2, <'
7//4;,4 : ?4 +7/,- <TT
7/-30*,760*75,--, : 7 E<%
B 6,*562/,7 EE%
7/-, 07 -7 ?76/,G Y$Y
7/6=*,7 1/2;2-5,307 < $
7/4/4
7/?0 2 0/4 <T&
7--7/7*34;7 X <(<
7-60/ 82/6 %'$
7-6,5 (<(
76E (%$
74/,6,7 ?,*, 0/7 & Y
7G, : , ,7,,7 /0+,7 & Y
07328 -8006 (&&
0302 7 ,/+,*,57 &E'
03,07+2 414 ,*7 ('%
B -76,?7 ('%
03 7/ (&'
O0-6 *3,7* <(<
0 7 0457 7,7146, %T<
0 7 : 1=/6, : 1/7606,-0 <&'
0 7*3/, ;3,2,0*4, TEY
0 7*2// .507 4-,68C-
-, : 7 (<(
0 7-62 : 7 %(T
0 ,7 M73,/75.67 ((E
M030/75. ((E
PB -0 : 10/?,/0 ((E
0 ,7*6.4- : 7 2/ (EY
B : ,*2/ (EY
0 ,02007 (<%
0 ,+40667 -
0 , 26 J ('%
0 , 264-2 ,5,*7 ,- ('%
0 ,2- : 7 (EY
0 ,--7 2 ,5,*7 ,- <TT
0 207564- 52 : : 4*,- %<
0 2* %ET
0*6.7 1,10/,67 <TT
P 4 0+, : <TT
A ?,/,3,- <TT
0*6M0 ,7 .,-1,37 %%%
0*=7*6.0- 6/, 2 ,767 <<$
0/5*/,7 ,-7 : *,7 <Y'
B 10/0*1,- <Y'
0/54/,5 067 -
0/,7*3/7;0*+7 0*-,- <TT
0-0 : ;/=7*6.0 : ,4*
75,*75,, 2/ :0 %<(
B 74-6/7 0 %<(
B 5/=-67 ,*4 : %<(
B 034 0 %<(
B +0*,5 ,, 2/4 : %<(
B 62/642-4 : %<(
0-1, 4- +0/ : 7*,07 &&'
0-47 0//07
B -105,2-7 T'$
0 .2*,07 &%'
OM0/52* A <E&

,5.0, 7 5.7 : 175 Y%
,+*2*0660 T(&
, 308 Y<&
, 06 &Y$
, *07 034 ,- ((<
, : 4-21- 7 767 - -
B 0*+, E(<
,*0/7 24/ Y'Y
,/7;,,-3,5.262 : 7 -
B !7 717 <T&
B 2*+, 2/7 <T&
B -47?02 0*- <T&
,-6 062
2./,76.4/, /7+7 Y$T
297 E$Y
2 ,*,7 550/4 07 &YT
2 : 2/3,57 7 -7 : ,*7 %<T
B ,7/7*6,7 %ET
2*90= 126 . -
2**,0/7 6/, 2 ,7 &T(
2**,*7 12 =-672 .=7 TE
2*-2*,7 -1,*2-7 ($Y
2*-60/7 30 ,0,2-7 &(&
B 10/64-7 &(&
2*6,*,7 %(Y
2>4, ,7 46, ,- (&Y
2/707 52 ,*7 '&E
2/0.0 7'0-04 0*67 YE'
B ,0212- YE&
2/0 Y E'
2/,* 7 7160/7 T(<
B 160/=+2-10/ : 7 T(<
2/1.,*0 T &
2/*-7 ;7 <'
B 50 6,3, 2 ,7 <'
B 52/= , 2 ,7 '
B ,*3,57 X <'
B *,+/7 <'
B 17;4 7/,7 <'
B /4;/7 <'
2--0- YT&
24 3 Y<(
24*67,4 -. (&'
B 07 E '
404*7 1/4/,0*- ('(
437/ EE%
4 ;0/6= <'
B 710/ <'T
4 0,1 <&Y
4*36,7 -1,*2-7 TE
4* 006 A %&&
4-7 *-060 '<<
B 17/73,-7,57 '<E
B -71,0*64 : '<E
B 60G6, ,- '<<
4-07/3,*0 Y<T
4-57/, &%&
4-./22 : Y<E
4-67/3
B 6/00 E%&
=506,30 Y<E
=+,*37 (%%
=2-5.,,2-2; 2*+4- R
=/,57 50/, 0/7 <&(

R
= ,07 -71,37 <&(
=/,57/,7 +0/ : 7*,07 T<%
=/,-6,57 ;,54,;7 <ET
B 7647 <ET
B /7+/7,,- <E
B 2 ,5,*7 ,- <ET
B 62;7 <ET
B -0;,0/7 <ET
B -14/,7 <E
B 6,*+0*- <ET
B 62 : 0*61-7 <E
=/2;7 7*- %T
=/2-,*0 T(T
=/2G= 2*10/4, 0/4 : ('(
B 62 4, 0/4 : ('(
=//.,*,4 : 76/214/
14/04 : %(E
=//.,-232/767 %'$
=/6 0 %T<
=/6*-52 : : 4*,- %T<

R 1 ?@A
7/7*+,67-30 k4,62 E&
7/5,--4-1-0132 7/
5,--4- '&Y
7/3 %Y
7/32-675.=- !767
: 7*-, %Y
7/6.0G -7 506,37 %'$
7-64/6,4 : ((
B 2 ,5,*7 0 T(
7?0 82/6 %$E
0567*6.0- 23,-0, <EE X
0567/,*0 (&&
0,-.246 (E%
0 4 : ;,4 : 4604 : T T
B -105,2-4 : (<%
01.0,4 : 7117504 : &<%
B ,65., E%' 6
B 2*+7*4 : 0-54
01;/23,4 : Y$T
0*64 : Y$T
B ,G : 7- Y$T
0/2,0--0*50 2 (TY
066 0 --
08 h07 7*3 [1,*75. %<E
,526,7* "&
,526,7*7 /4-697 E&
B 7;754 : <&
,526,*0 AE&
,+0 7 2 &&
,+.6-.730 E&
,17 &TT
,6/1 --
2=74 (&& E<'
41.7/ 4604 : T
46 : 0 < E
=567*6.0- /;2/
6/,-6,- E%E
= : 1.-07 7 ;7 T
B 550/4 07 '
B 264- T

! . /

, : 2+ (<(24M2 M,7 64 ; 0/2-7 Y k40/54- 14 ; 0-50*- < .4- 2G,5230*3/2* (<(
B 17*,-. (<(/0 : *7 < B 2 ; 4/ - B 6=1 ,, *7 (<(
4 : ; 7+2 04/21-07 <T& /, 59 = 07/ %< B ,, ; 0/ - B ?0*0*767 (<(
B /2-07 <T& /, : /2-0 P <(B 6, *562/, 7 < B 0/*, G (<(
B -57*30* ET& /, : 4 7 7574 , - E(k4, 7 7 ; /7-, ,07-, (&Y ,, ; 0 *, +/4 : (YY
B M0= 7*,57 <T& B 4/,54 7 E(B 712*7/, 7 (&Y B /4 ; /4 : (YY
4 : ,0/74, ; 7 EE B ?0/, U <(k4, *7 (%Y B ?7 5/, -17 (YY
27 7 ; =--, *, 57 X &Y /, *2- ?0/6,5, 767 (%$ k4, *, *0 U (& ,50 A &Y$
B 04-, *0 I &Y /, ?06 <%' k4, *, *0 %&' B 1710/ %'E
23, -2 : 7 !4*, 10/, /21= 7 : , *0 Y<E k4, 62 /7*+0 E& ,0 .7/3-2*, 7 -57 ; /7 %&&
-7 ; , *50 YE< /2607 +/7*3, 2/7 <<E ,5, *4- 52 : : 4*, - <Y&
23207/14- *0/,, 2 , 7 '%% B 01,3257/12- <<E ,12+2*4 : &E&
X 267/7 '%% B : 0 , 0/7 - - - T(T 2 ; %&T '%E
2321 . = 4 : . , : 7 7 = 0*-0 T$E 7 0-, 7 76 : 7 2 ; , *# , *54- . , 2 (&
B 10 676? : T$E B -105, 2-7 <<E 7, -, (E$ 257 : ; 2 0 &%'
2+2-60*, 2 <TT /26252554- *, ?7 , - Y&$ 7 : ; 0 . (E% 2550 7 Y%&
#2908003 <($ /2?0*50 7*0 &YT 7 : , 467* (E% 20-60 , 757*00 767 YE<
2 . : , -, 7 +/7?02 0*- T(% /4*0 2 246 . /, 57 (E% 7 : , 0 <<Y 2*30 06, 7 %&&
2 0 : 2*, 4 : '57-/4 04 : <<% B -1, *2-7 (&& 7*37 3, , /7062/4/7 %&& 22 : 3=0 <$'
2 , 7*6 . 0- 64 ; 0/2-7 &%'' -, 3, 4 : %T< 7*4*54 4- 7 10-6/, - && 2-757*, *7 (&'
2 =7 6 . , 7 : 75/2 -2/7 07 0-54 0*67 ('(AB , 57/, 7 && B 50*6, 2 , 7 (&'
1 . = 7 YY B -12+-07 ('(B -50 0/767 && B 37 : 7-50*7 (&'
B -4 ; 52/3767 YY X -=5 . 26/, 7 0 : 06, 57 % & B .2/7 && B 7 07 (&'
2 =+7 7 0*0+7 TE 60 07 6/, 2 , 767 (TE 71 . 7*, -6/4 : '7/?0*-0 T(T B 7 0 *37/, , : (&'
B 0/10*67/, 7 TE 62/, - 0-54 0*67 Y$T 71 . , 7 & Y B : 2-5 . 767 (&'
2 = +2*764 : &E' 60/257/14- /752 ('(7-1 ; 0// = (&& 2-0 711 0- %T<
4 C+2*4 : 7 : 1 , 6 7 - ; 7*0 ((< B 7 : 1,2 TEY
; , 4 : <(% 7667* &T$ B 2 ' 7=0**0 <EE
B 7?, 54 7/0 <(% B /, 0*-, - - 7?0*7 7 : 737+7-07 B 2 ' !0/, 5 . 2 T(T
B , -62/67 X <(% B 525 . , *5 . , *0*-0 <(% /, 0*-, - 7?0** 7 7*0 &YT B 30 /2?0*50 (&'
B ; 0 : 2// . 2, 37 0 <(% B =3/21, 10/ 60/2-10/ : 4 : T&& 03 *28 Y&$ B 8760/ (&'
B : 4 6, 2/4 : <(% B 525 . , *5 . , *0*-0 <(% 60/2-12/7 *3/2 : 0 003 &YT B 8223 ('(
B ; =3/21, 10/ <(% 307 E Y 0, *300/ , 5 . 0* Y%& /, 57 ('(
B : 4 6, 2/4 : <(% 60/2G= 2 46, 0 (<% 0 : , /07 : 7/, 6, : 7 &&$ 2-0 : 7/ <TT
B 10/ 2 , 764, <(% 455, *, 7 /7 : , *, - Y<$ 0*07 : , 7 - 2660* -62*0 Y'Y
B 0/-, 57/, 7 <(% 45 . 4/ : 7 2/ <EE 0-037 4607 T(& 287* 6/00 (&'
B -6=16, 04 : <(% 4 ; 7 YEE B 4602 7 T(& 2G ; 4/+ . , 7 &<
B 67 : *, 2 , 4 : <(% 4 *, 2*7/, 0 30 . *0 Y%& B 232/767 T(& 4 ; , 7 6, *562/4 : %&&
B 6767/, 54 : <(E 4 : 2*7/, 7 2 , 5, *7 , - E'T 066, ('(4 ; 4- /46, 02-4- (&&
B 6, *562/, 4 : <(< 4 : 19, *7 %ET , 7 <(% B 3-04- (&&
2 =123, 4 : 7 7+47 7 Y$T 4*, 57 /7*764 : %(< 4/- 7*0 <%$ 40 (&
2 =12/4- 2 : 0*67/, 4- Y<E =/06 . /4 : 7*75064 : <$E .7 : *4- 576 . 7/6, 54- (%& 40 , 7 <$'
B , +*, 7/, 4- P Y<E =/2 7 /264*3, 2 , 7 <T$ B 5 . 2/21 . 2/4- (%& 4 : 0G 0062-7 < (%
B 2 , 5, *7 , - YEE =//2-76, *+0*- <ET B /7*+4 7 (%Y B 7 1, *4- < (E
B -47/02 0*- Y<% =/4 7/, 7 14 ; 0/7 'TE B , * 0562/, 4- (%& B 7>476, 54- < (%
2 =6/, 0 . 4 : YT& =/4- /, 7 (&' 0 46, , - (%& B 5/, -14- <(%
2 : 0+/7*760 %(< B 45417/, 7 (&' .767*=7 0 -0 <(E B 176, 0*6, 7 <(%
2*6030/, 7 ?7+, *7 , - &<'' B 52 : : 4*, - (&' .04 : 74-6/7 0 <(% B -546764- <(%
22/ 7*# 0/ <&' B 32 : 0-6, 57 (&' B 2 , 5, *7 0 <(% 4164/0 82/6 <%E
21 7/ <&' XBX 7 4- (&' B 712*6, 54 : <(% 4- &<E
211= C T & B 62/ : , *7 , - (&' .712*6, 54 : <(% B 280/, *+ 'YY
214 04 : <&' .M21 . 2/7 7*+ 0 % Y B -8006 &Y
214 , *0 <&' .23230*3/2* 7/ ; 2 4-6 Y<$' Y<
214 4-7 ; 7 <&' /04 : E ' 467 +/7?02 0*- (&
B *, +/7 <&' B 5 . /=-7*6 . 2- E ' =0 (&
B 6/0 : 4 7 <&' k400*-7*3 46 <<E B 0//4+, *04 : E ' &Y$
2/1 . =/7 14/14/07 Y&(k40/5, 6/2* ' < 0 12*6, 54 : E '
B ?4 +7/, - Y&(k40/54- !E, $+, 21- - .232/ . , M7 E<'
2/64 757 2 0/7507 T<T B -54 , , - ' < .23 = *, 04, 7 17 : 767 Y&T = &E(
26762 E& B 7 267 ' < .4 ; 7/ ; <(% 7 ; 7 37*-2*, , &T$
B 8006 E<' 0 0//, - ' < 2*9# <(E B 7 : 0662 &T$
260*6, 7 7*-0/, *7 (&& 0 5255, 0/7 ' < .4 ; 7/ ; 0 30- 74?/0- && 755 . 7/4 : 2 , 5, /, 7/4 : &Y
B /0167, 8 (&& B 0G - .4- 2/, 7/, 7 (<(B 7?0**-0 &YT
260/, 4 : 7*+4, -2/ ; 7 (&' B 7 : 7**, 0/7 - 0 1 26, *4- (<(7 280/ <$<
B 1034*54 767 - B 455037*07 (<(7 /2* '&<

!

55* : <T
7.07 EE
B +4 : :, 0/7 <' <Y'
7 0/,7* /009 E<%
7 0/,7*7 50 6,57 %Y
B 2 ,5,*7 , %Y
B 7 ,4*57 %Y
7 0/,7*0 7 %Y
7*+45/,7 034 , %&&
7*, 7 067?,566 767 ''<
B 1 7*, 2 ,7 ''<
7/,2 7/,7 7 : 7/7 Y%&
7/*,-.P 4/ : 7. (<(
B 7/67;7* (<(
B 6/00 (<(
760/,7 ,*3,57 T'&
76,07 ;750, 5/7 T'&
B 4 : ;4+7,7 T'&
0+067; 0 7//28 %E
B -, 9 '&Y
0*06,7* 4 : 75, (<(
0/76/ *0 &E(
0/76 : :7 ;4 : &<(
B *,+/4 : &<(
B 7;73, 7 &E(
B ?,/,30 &E(
0/;7-24 : 1. 2 : 2,30 <&Y
B 6.71-4 <&Y
0/;0*7 0/,02,30 < '
B 2 ,5,*7 , < '
0/2*,57 0057;4*+7 <&'
B 2 ,5,*7 , E&'
0/?7,* < '
065. &'(
06,?0/ /
,0,7 -76,?7 &'(
,562/,7 /0+,7 T T
, 7/-,7 *= : 1.-0
2,30 E<$
,*76,52 <1E
,*5062G,5* : 2 ,5,H
*7 0 EE%
,*0 (E$
B 3,-07-0 Y<(
,*0+7/ 7/-0, 0 &%'
B 2 40 (&
BA .,0?0-# &%'
B 6/00 (<(
,2 7 232/767 T%T
B 2?767 T%T
B 17 : 767 T%(
B 103767 T%T
B 6/,52 2/ T%T
,2 06 T%(
,2 ,*0 T%(
,10/.*0 '$&
,10/# 4+ 2-- <'(
,-52-,*0 Y<E
,-54 :7 ;4 : 'T
,60G +*4- 57-64 < &
B ,662/7 , < &
,6,- -0-6,?7 , (E$
B 7 ;/4-07 (E$
B 76, 2 ,7 (E$
B ?,*, 0/7 (<$

/,1.7-,7 6/, 2 ,767 (T$
/,6,54 :+ 745* : &Y
B 4*504 : &Y
B /010* &Y
B -76,?4 : &Y$
/,4 : 0667 TYT
/21502 4 : : 7 4 ((
B : ,.4 ((
B 64;0/2-4 : ((
/4 0 YE& Y<%
4;0/7 ;4 : YE&
B 5,;7/,4 : YE&
B +/,-04 : YE&
B : 7+*764 : Y<&
4;0/2-0 &%'
4 ;7+.,7 7 ,7507 &%&
B 2017007 &%&
4 ,1 6/07 YE
4/;,6. <<'
4/ : 0/,5 '<T
4/*-2 0 <Y&
4, : 0*6,*0 '%(
B =1/0-- (<(
4--17+2 E$E
46-7* T<&
= 21.2/7 7-6. : 76,57 <<%
, 1. &T'
=1.2*,4 :6/, 2;764 : &(&

7, 'Y<
OQN
)! 0G 04 21704 &'%
: 4 7 : -5,57*7 oo
B 57 : 10-6/,- NOO
B 4 ?7 NOO
404-6 4;0/2-4 <%T
! ?7 756457 Y&T
: ;, ,54- 10*34 ,*4- %$E
*57/,7 7 : ;,/ %&&
B 1/204 : ;0* < $
17- < 'T
/502 7 0 7-6,27 <E
/03 '+ 4 : 7/4 : Y&$
B ,107/, Y<$
B 4;,+2 ?0/7 Y<$
B , : 2/,*07 Y<$
/+,*07 5, 7 &%'
/6,57 57**7;,*7 <<Y
B 3,2,57 <<Y
B */0* <<Y
/6,576,2* <<Y
/417/,;7 <$(
/?, 07 46, ,- Y&(
-6, 7+2 7/,0 Y<$
B 7=3,- Y<$
B -0+064 : Y<$
6/,04 7/,7 EY
?7/,7 232/767 YY
?4 7/,7 7?7 &E%
B +/7*3, 2/7 &E%
B 76, 2 ,7 &<%

0//7 : 0/,67 ' <T
0- 7 3, k6,7+ ,7 < $
06/750/7 ,+7/07 Y$
06/7+2*,7 0G17*-7 %<E
045/,4 : <TT
.7 ,56/4 : 2/*46, &&
B 7?4 : &&
.71-,7 ?, 2-7 % '$
.07 5.,*0*-,- T'%
.5,*0 T'%
.0 01.2/7 1/,*501- Y<E
.0 =+2*4 : <%<
.02;/2 : 7 7572 T&&
.02;/2 : ,*0 T&&
.521./7-67 34--,04, E(%
.E,-7>40 %Y
.0-,4 : 'TE
.,;743,7 : 0 , 2/7 ETT
.,-6 0 <$E
. 7-1,7/=0*-0 T(T
./,3750 E$E
.4=7 255,30*67 , '%<
.= : 0 <TT
.= : 4-2,6/,232/4- <TT
7, &<$
,7/,3,4 : < ' (
,51/07 0;/, *+7 (T(
, <EE
, ,7 +/7*3,, 2/7 TYT
B 17/1, 2 ,7 TYT
, 7*3-,7 4-*02,30- -
06609 EE'
273 7G <&'
2;7552 E&
2337 ,7 754 0767 (TE
233 & Y
2 : 762 <&
2*>4,* 074 (''(
2- : 0*6, 7 0/05 7 (&&
2/*0 ,7 /7+*7* &(&
2/4 7 50/0?,-,-0 Y<(
24 : ;2 'E$
, 24/*0 2/6,7 4 ; :0,
767
/72.=57/14- 0G50 -7 &T$
/730-57*6,7 3,4/06,57 &<Y
B 7 7;7/,57 &<Y
/7+,7 <Y'
/7+212+2* 12 , 2 ,4- E$<
/717 ,;52/*, %%
B ;,-1,*2-7 %%
B *767* %%
/7?0 0/# 6/00 '<<
/00 2 , 0 '%<
B 0/* Y$T
/0 : 0 7?,2 7507 YEE
/,;4 4-60//0-6/, ($E
/,50/7 '$$
/,5.,,7 (E
/,5.2-7*6.0-7*+4,*7 %ET
B 02 4;/,*7 %E(
/, 2,4 : 1/760*-0 ('%
B /010* ('%
/,+2*0 7 2-*4 :
+/-054 : ('%

H NN' % 3' ' ' %' ' ' ! '

> 6 N: C

,6, 7=/' ' &Y
C 27*30-0,7' ?@+988*,
*07 ('(
'A 27?7*+7' %&&

& <E
C O7 ,6*6 ' (
AO7- 7' 1,-2,3,7' ((E
C O7 6.0/,7' T&&
&*A 8:.?=0C? <E<
O7'68' 7,M0' H
AB'A /0 2,' ' <EY
O 7GC6/00' .,*0-0' <Y&
B 0+067. 0' (<(
O0,*:7**,7' (Y%
O.076 &Y$

O.076' 759' ' ' <(%
O.,*' ' ' ' ('%
O.,60' 2, ' ' ' T &
B'8223'.7/6' ' ' T%(
O, 28' ' ' ' <&'
O, 4+.;0,7' 034,-' ' EE '
O,*60/' .0//=' ' ' E&
O,66-60,*,7' ' ' ETT
O273' ' ' ' T(T
O2 -;7*0' ' ' <E%
O223 2/3,7' 62:0*62-7' %(%
O223'2'6' 24,-' ' (&&'
O2/:8223' ' ' E$E
O/759' ' A' ' Y&T
O/,+.6,7' 7*6,3=-0*60
/,57' ' ' ' EE
B'6,*562/,7' ' ' EE
B'62:0*62-7' ' EE

Q <# <Z ' '
$ ' ' ' ' &Y
)7*6.2//.207' 7/;2/07' &<('
)7*6.2-2/77' -7+,66-0
2,4:' &(&
),:0*,7' ' ((&
)=257/14- ((<

> ' Y<(
08' ' '%<
4557 & '

Z - ' ¼ ¼ ¼ ¼ ¼ Y?b
h7:,7' ' ' 'O M
h7*6.2*,5/,60' ' 'M

h7*6.2G=4:' 4'
3/4*+7' ' ' ' (TE
B' 7?7 0/54,-' ' (TE
B' /7G,*04:' ' ' (TE
B'*,6,34:' ' ' (TE
B'1,10/,64:' ' ' (TE
B' 06.-7' ' ' ' (TEV
B'60/*764/7' ' ' (TE
h07' 7=-' ' ' &Y
h0;/7 8223' ' ' (<%
h0327/=' ' ' ' '<T
h,*+,;0/'2,5,*70' ' '<T
h,*M0=3' ' ' ' '<<
h,M=1.4-' 264-' ' '(%Y
B'?4+7/,-' ' ' (%Y
h2-60/7# ' ' ' Y&(
h=+21,=,,:' 7;7+2' ($E
B'-,:4 0G' ' ' ($E

$$$E%&T%

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